REQUEST FOR PROPOSAL

FOR

ANALYTICAL LABORATORY SERVICES FOR REGULATORY COMPLIANCE SAMPLING FOR THE CITY OF BATON ROUGE/PARISH OF EAST BATON ROUGE DEPARTMENT OF ENVIRONMENTAL SERVICES

Solicitation No.: 20008-A21-14

RELEASE DATE: SEPTEMBER 24, 2021

RFP OPENING DATE: OCTOBER 21, 2021, at 2:00 PM

CITY OF BATON ROUGE | PARISH OF EAST BATON ROUGE
OFFICE OF THE MAYOR-PRESIDENT
DIVISION OF PURCHASING

SEPTEMBER 2021

KEY REMINDERS TO PROSPECTIVE PROPOSERS

- Read the solicitation in its entirety.
- Contact the designated purchasing official only.
- Take advantage of the question and answer period.
- Provide complete answers and descriptions.
- Review the RFP and your proposal before submitting.
- Submit your proposal on time, before the deadline.
- Sign (by authorized signatory) in designated place on Attachment B Proposal Form.
- Retain the complete set of specifications and contract documents for your files.

Table of Contents

City of Baton Rouge, Parish of East Baton Rouge, Louisiana
Request for Proposal No. 20008-A21-14
Analytical Laboratory Services for Regulatory Compliance Sampling for The City of Baton Rouge/Parish of East Baton Rouge, Department of Environmental Services
September 24, 2021

1. Purpose

The purpose of this Request for Proposal (RFP) is to obtain competitive proposals as allowed by City-Parish governing statutes, ordinances, resolutions, and policies from bona fide, qualified proposers who are interested in providing operation and maintenance services for Analytical Laboratory Services for Regulatory Compliance Sampling for The City of Baton Rouge/Parish of East Baton Rouge, Department of Environmental Services.

2. General Instructions

Proposers shall submit proposals to the Purchasing Division, directed to the following:

Attention: Director of Purchasing
P.O. Box 1471
Baton Rouge, LA 70821

Proposers shall submit proposals no later than **October 21, 2021, by 2:00 PM**. Proposals may also be delivered by hand to our physical address at the following location:

Purchasing Division
222 Saint Louis Street
8th Floor, Rm. 826
Baton Rouge, LA 70802

Proposers are hereby advised that the U.S. Postal Service does not make deliveries to our physical location.

Proposers shall submit proposals between the hours of 8:00 AM and 5:00 PM, Monday through Friday, unless otherwise provided by a federal holiday, which then may be delivered by hand on the following business day, not later than **October 21, 2021, by 2:00 PM**, local time. Proposals submitted for consideration should follow the format and order of presentation described below:

- One (1) **signed** hardcopy of the original proposal (signed on Attachment B Proposal Form) in a sealed envelope, marked [***Original***] **Analytical Laboratory Services for Regulatory Compliance Sampling for The City of Baton Rouge/Parish of East Baton Rouge, Department of Environmental Services**, five (5) additional hardcopies of the signed proposal in a sealed envelope, marked [***Copy***] **Analytical Laboratory Services for Regulatory Compliance Sampling for The City of Baton Rouge/Parish of East Baton Rouge, Department of Environmental Services**, one (1) digitally signed proposal on CD/USB drive in PDF format, marked **Analytical Laboratory Services for Regulatory Compliance Sampling for The City of Baton Rouge/Parish of East Baton Rouge, Department of Environmental Services**, and one (1) redacted copy of vendor's proposal.

- **Cover Letter** Containing summary of Proposer's ability to perform the services described in the RFP and confirms that Proposer is willing to perform those services and enter into a contract with the City-Parish. By signing the letter and/or the proposal, the proposer certifies compliance with the signature authority required in accordance with Louisiana law. The person signing the proposal must be:

    a. A current corporate officer, partnership member, or other individual specifically authorized to submit a proposal as reflected in the appropriate records on file with the secretary of state; or

b. An individual authorized to bind the company as reflected by a corporate resolution, certificate or affidavit; or

c. Other documents indicating authority which are acceptable to the public entity.

Proposers should exhibit their understanding and approach to the project and address how each element will be accomplished.

The cover letter should also:

- Identify the submitting Proposer;
- Identify the name, title, address, telephone number, fax number, and email address of each person authorized by the Proposer to contractually obligate the Proposer;
- Identify the name, address, telephone number, fax number, and email address of the contact person for technical and contractual clarifications throughout the evaluation period.

- **Table of Contents:** Organized in the order cited in the format contained herein.
  - Executive Summary
  - Company Information
  - Laboratory Certifications/Accreditations
  - Quality Assurance Plan
  - Standard Operating Procedures
  - Quality Assurance Data
  - Proficiency Test Data
  - Resumes of key personnel indicating their educational and experience level with current analytical equipment
  - Inventory of laboratory instrumentation, including age of the instruments and maintenance records
  - References/Experience
  - Price for Services
  - Company Ethics Compliance

Proposers should ensure to notate clearly the name of the Proposer, the number, and the title of the RFP. This information is critical to the Purchasing Division to identify proposals.

Proposers should clearly demonstrate the applicant's qualifications and experiences to perform the **Analytical Laboratory Services for Regulatory Compliance Sampling for The City of Baton Rouge/Parish of East Baton Rouge, Department of Environmental Services** and attend all factors applicable in a professional relationship.

Proposers shall familiarize themselves with and shall comply with all applicable Federal and State Laws, parish/municipal ordinances, resolutions, and the rules and regulations of all authorities having jurisdiction over the solicitation.

These laws and/or ordinances will be deemed to be included in the contract, the same as though herein written in full.

Proposers should include detailed resumes or curricula vitae for the principals performing the services.

Copies of the solicitation and related information are available from the City-Parish's Purchasing Division and the state's Procurement and Contract Network website, LaPAC, at https://wwwcfprd.doa.louisiana.gov/osp/lapac/pubmain.cfm.

The City-Parish has elected to use LaPAC, the state's online electronic bid posting and notification

system, in addition to its standard means of advertising this requirement. LaPAC is resident on State Purchasing's website at https://wwwcfprd.doa.louisiana.gov/osp/lapac/dspBid.cfm?search=department&term=102 and is available for vendor self-enrollment.

In that LaPAC provides an immediate e-mail notification to subscribing bidders that a solicitation and any subsequent addenda have been let and posted, notice and receipt thereof is considered formally given as of their respective dates of posting. Though not required if receiving solicitation and addenda notices from LaPAC, the City-Parish will mail addenda to all vendors contacting our office and requesting to be put on our office Vendor Listing for this solicitation.

3. Receipt of Proposals

PROPOSALS MUST BE RECEIVED BY THE CITY-PARISH ON OR BEFORE THE SUBMISSION DEADLINE.

The City-Parish will NOT accept proposals delivered after the deadline.

4. Schedule of Events

Item	***Anticipated Schedule***
RFP Issued	*September 24, 2021*
Pre-Proposal Conference (non-mandatory)	*Not Applicable*
Deadline to Receive Written Inquiries	*October 7, 2021 (5:00 PM, local time)*
Deadline to Answer Written Inquiries	*October 14, 2021*
Proposal Submission Deadline	*October 21, 2021 (2:00 PM, local time)*
Oral Discussions with Proposers (if needed)	*to be scheduled if necessary*
Notice of Intent to Award	*to be scheduled (approx. 2-4 weeks after # 5-6)*
Contract Initiation	*January 1, 2022*

The City-Parish reserves the right to deviate from these dates.

If the City-Parish identifies a likely service provider, it may negotiate a final agreement with the provider and fix the relationship by professional services agreement. The contract will contain the standard City-Parish provisions shown in "Attachment D" for **Analytical Laboratory Services for Regulatory Compliance Sampling for The City of Baton Rouge/Parish of East Baton Rouge, Department of Environmental Services** and the proposal forms shown in "Attachment B" and "Attachment B-1."

In case a pre-proposal conference is not held, the City-Parish will initiate a Proposer Inquiry period for all interested Proposers to perform a procedural review of the proposal documents.

Proposer Inquiry

Proposers shall submit ONLY written questions related to the proposal not later than **5:00 PM on October 7, 2021**, to:

Kris Goranson
Director
Purchasing Division
P.O. Box 1471
Baton Rouge, LA 70821
Email: RFPA2114LABSERVICES@brla.gov

Fax: (225)-389-4841

or deliver by hand to the physical location:

222 Saint Louis Street, Rm. 826
Baton Rouge, LA 70802

between the hours of 8:00 AM to 5:00 PM, Monday through Friday, unless otherwise provided by a federal holiday, which then may be delivered by hand on the following business day, not later than **5:00 PM on October 7, 2021**.

Proposers are hereby advised that the U. S. Postal Service does not make deliveries to our physical location.

By responding to this RFP, the Proposer agrees to the City-Parish's required Contract Terms and Conditions as provided in "Attachment D" and therefore waives any future right to contest the required provisions.

5. Intent

The intent of this Request for Proposal (RFP) is to obtain competitive proposals as allowed by the City-Parish governing statutes, ordinances, resolutions and policies from bona fide, qualified proposers who are interested in providing analytical laboratory services for regulatory compliance sampling in association with the North Wastewater Treatment Plant, the South Wastewater Treatment Plant, the North Landfill, Satellite Wastewater Package Plants, the Industrial Pretreatment Program, and the Municipal Separate Storm Sewer System Program as governed by regulatory permits.

The quantities referenced in the RFP are estimated to be the amount needed. The quantities for which unit prices are indicated in the Proposal Form do not constitute a guarantee that the quantities so indicated are the actual quantities required for the work under the contract. The City-Parish reserves the right to increase or decrease the quantities of work and material under unit price items as deemed necessary, provided said increase or decrease does not materially change the intent of the contract. Such alternations shall not be considered as a waiver of any conditions of the contract nor invalidate any provisions thereof.

Neither the City-Parish nor the Department obligates itself to contract for or accept more than their actual requirements during the period of this agreement, as determined by actual needs and availability of appropriated funds.

The City will negotiate an agreement with the proposer whose proposal is the most responsive to this RFP. The City reserves the right to reject any or all responses. The City-Parish desires to select one Proposer to provide the services described herein. The successful Proposer shall serve as the single prime contractor for all work performed pursuant to this contract. That prime contractor shall be responsibility for all deliverables referenced in this RFP. This general requirement notwithstanding, Proposers may enter into subcontractor arrangements. Proposers may submit a proposal in response to this RFP, which identifies subcontract(s) with others, provided that the prime contractor acknowledges total responsibility for the entire contract.

6. Background

The purpose of this Request for Proposal (RFP) is to obtain competitive proposals as allowed by City-Parish governing statutes, ordinances, resolutions and policies from bona fide, qualified Proposers who are interested in providing analytical laboratory services for regulatory compliance sampling in association with the North Wastewater Treatment Plant, the South Wastewater Treatment Plant, the North

Landfill, Satellite Wastewater Package Plants, the Industrial Pretreatment Program, and the Municipal Separate Storm Sewer System Program as governed by regulatory permits.

7. Mission

The City-Parish Department of Environmental Services desires to issue enter into a long-term contract with a contractor for analytical laboratory services for regulatory compliance sampling in association with the North Wastewater Treatment Plant, the South Wastewater Treatment Plant, the North Landfill, Satellite Wastewater Package Plants, the Industrial Pretreatment Program, and Municipal Separate Storm Sewer System Program, as governed by regulatory permits. The annual budget for this contract is $340,000. The annual budget and execution of the contract is contingent upon Council approval on December 7, 2021.

8. Definitions

A. Shall – The term "shall" denotes mandatory requirements.

B. Must – The terms "must" denotes mandatory requirements.

C. May – The term "may" denotes an advisory or permissible action.

D. Should – The term "should" denote desirable.

E. City-Parish – City of Baton Rouge-Parish of East Baton Rouge.

F. Proposer – A firm that submits a Proposal in response to this Request for Proposal.

G. Contractor – A firm that the City-Parish enters into a contract with in accordance with this Request for Proposal.

H. TBD – To Be Determined

9. Scope of Work

The City-Parish is soliciting proposals from qualified commercial laboratories for analytical laboratory services to perform testing of raw and treated wastewater, wastewater residuals not only limited to sludge, groundwater and wastewater effluent from a landfill, stormwater, industrial facilities discharging to the City-Parish's wastewater collection system and miscellaneous sampling.

All analytical tests must be performed in accordance with the techniques described in 40 CFR part 136 (see LAC 33:IX.4901) and SW-846 (solid waste methods) and the amendments thereto. Where 40 CFR part 136 does not contain sampling or analytical techniques for the pollutant in question, or where the EPA determines that the part 136 sampling and analytical techniques are inappropriate for the pollutant in question, sampling and analysis shall be performed by using validated analytical methods or other applicable sampling and analytical procedures approved by the Environmental Division and the Louisiana Department of Environmental Quality. All reports, shall satisfy the minimum recommended conditions set forth in 40 CFR part 136. Additionally, the contract laboratory should provide reports in electronic format such as excel format or an ftp site. For reference, please refer to Attachment I for the list of required methods.

Furthermore, to the analytical testing services, the contract laboratory will also be responsible for providing services to the City-Parish on the following:

1. The required sample bottles, sample kits vials, labels, and coolers, incidentals, etc. (including the preservative needed for the specific analysis), in containers appropriate for shipment back to the contract laboratory (refer to 40 CFR part 136 Sec 136.3 (e) or SW-846 for required containers, preservation techniques, and holding times). All cost associated with the shipment/delivery of sampling kits will be the responsibility of the contracted laboratory.
    a. For the treatment plants sampling kits should be delivered to EITHER North Wastewater Treatment Plant, located at 50 Woodpecker St., Baton Rouge, LA 70807, OR South Wastewater Treatment Plant, located at 2850 Gardere Ln., Baton Rouge, LA 70820 at the direction of the City-Parish.

    b. For the Industrial Pretreatment Program, the Landfill, and the Municipal Separate Storm Sewer System Program. The sampling kits should be delivered to the Environmental Division at EITHER 345 Chippewa St., Baton Rouge, LA 70805 (current location) or 12422 Florida Blvd., Baton Rouge, LA 70806 (future location) or to the sampling contractor as directed by the City-Parish.

10. Evaluation and Selection

The following criteria cited herein will be evaluated when reviewing the proposals: The proposal will be evaluated in light of the material and the substantiating evidence in writing presented to the City-Parish, not on the basis of what may be inferred. The proposer with the highest point total will be the successful proposer. In the event, two proposals have identical scores, the proposer with the higher point total from Past Experience, will be the successful proposer.

The City-Parish will evaluate the proposals based on the demonstrated understanding and familiarity with the scope of work described above. The factors that will be considered in the evaluation process shall include but not be limited to:

a. **Cost of services:** The proposed price for calculation is the **Sum of Totals (Analytical Total + Other Services Total)** in **Attachment B-1**. This is the sum of all the schedules for testing. The number of points earned equals the lowest proposal price divided by the laboratory's proposal price and multiplied by 40%. **(40 points)**

    Examples:

    Laboratory No. 1
    TOTAL ANNUAL COST - $ 10,000
    $10,000/$10,000 = 1 x 40% = 40 points

    Laboratory No. 2
    TOTAL ANNUAL COST - $ 11,000
    $10,000/$11,000 = .91 x 40 = 36.4 points

b. **Past Experience/Qualifications and availability of staff:** A list of projects ongoing or completed by the Proposer related to experience and ability in providing analytical services for the wastewater industry. Provide a list of individuals that the Proposer has committed to the completion of the proposed contract; the qualifications and location of each individual shall be included. **(40 points)**

c. Water Pollution Proficiency Testing Study (Min. Grade 90% on each): (10 points)

The last two WP Studies must be submitted with this proposal document. The analytes are listed in Attachment G - Priority Pollutant List. A minimum of 90% Acceptable rating must be achieved on each of the studies for the proposal to be acceptable. No more than ten (10) analytes can be

Unacceptable on any one of the studies. (Note: For the purpose of this calculation any "Check for Error" data will be counted as an Unacceptable rating). For the calculation all test analytes are added together for a total of 420 analytes. The total number of Acceptable data analytes will be added up to provide the total number of rating points awarded (see chart below).

Total Groups / Analytes	Total Points Awarded
420	10
419	9
418	9
417	8
416	8
415	7
414	7
413	6
412	6
411	5
410	5
409	4
408	4
407	3
406	3
405	2
404	2
403	1
402	1
401	0
400	0
< 400	Proposal is NOT Acceptable

d. MBE/SBE/WBE Initiative Participation by Certified Small Entrepreneurships/DBE Initiative (10 points)

This procurement has been designated as suitable for certified small entrepreneurships (**MBE/SBE/WBE**) participation.

The City of Baton Rouge, Parish of East Baton Rouge strongly encourages the participation of Small and Minority and Women-owned business in all contracts or procurements let by the City of Baton Rouge Consolidated Government for goods and services and labor and material. To that end, all Service Providers and suppliers are encouraged to utilize federal, state or locally certified Small, Minority and Women-owned businesses in the purchase or sub-contracting of materials, supplies, services and labor and material in which disadvantaged businesses are available.

Proposers that are not eligible for certification are encouraged to use Small, Minority and Women-owned businesses where sub-contracting opportunities exist. To be responsive to this request for proposal, the proposer should be a Small, Minority or Women-owned businesses or have put forth a good faith effort to use certified Small, Minority or Women-owned businesses as subcontractors. By submitting and signing a proposal, the proposer certifies that they are in compliance with this requirement. The proposer shall submit with the proposal a plan and selection process outlining good-faith efforts to utilize Small, Minority or Women-owned businesses as subcontractors.

Written notification is the preferred method to inform Small, Minority and Women-owned businesses of potential subcontracting opportunities. A current list of certified Small, Minority and Women-owned businesses may be obtained from the Louisiana Economic Development Certification System at https://smallbiz.louisianaeconomicdevelopment.com/certifiedbusiness/default.aspx. Additionally, a current list of Small, Minority and Women-owned businesses, which have been certified by the Louisiana Department of Economic Development and have opted to enroll in the State of Louisiana Procurement and Contract (LaPAC) Network, may be accessed from http://wwwprd1.doa.louisiana.gov/OSP/LaPAC/Vendor/srchven2.cfm. You may then determine the search criteria (i.e. alphabetized list of all certified vendors, by commodities, etc.), and select "SmallE". Additional assistance may also be obtained from the Small Business Administration and the Minority Business Development Agency of the Department of Commerce to solicit and use these firms at http://www.mbda.gov/contact.

Copies of notification to at least three (or more) certified Small, Minority and Women-owned businesses will satisfy the notification requirements. Notification must be provided to the certified entrepreneurships by the proposer in writing no less than five working days prior to the date of proposal deadline. Notification must include the scope of work, location to review plans and specifications (if applicable), information about required qualifications and specifications, any bonding and insurance information and/or requirements (if applicable), and the name of a person to contact.

In the event questions arise after an award is made relative to the proposer's good faith efforts, the proposer will be required to provide supporting documentation to demonstrate its good faith subcontracting plan was actually followed. If it is at any time determined that the Service Provider did not in fact perform its good faith subcontracting plan, the contract award or the existing contract may be terminated.

Service Providers will be required to report Small and Minority and Women-owned businesses subcontractors or distributor participation and the dollar amount of each with payment request to the contract monitor.

Any other information deemed pertinent by the Proposer including terms and conditions which the Proposer wishes the City-Parish to consider.

If the organization submitting a proposal must outsource or contract any work to meet requirements contained herein, such work must be clearly identified in the proposal. Proposers must identify by name, address, and telephone number, any individuals or entities outside the Proposer's organization that Proposer intends to use for any part of the required scope of work. Proposal pricing must include any outsourced or contracted work.

The evaluation committee will evaluate responsive RFP submissions on the following background and experience, technical criteria, and cost; award points up to the maximum points allocated; and provide an assessment.

Each Proposer bears sole responsibility for the items included or not included within the response submitted by the Proposer.

To evaluate all proposals, a committee whose members have expertise in various areas has been selected. This committee will determine which proposals are reasonably susceptible of being selected for award. If required, written or oral discussions may be conducted with any or all of the Proposers to make this determination.

Written recommendation for award shall be made to Purchasing for the Proposer whose proposal, conforming to the RFP, will be the most advantageous to the City-Parish, price and other factors considered.

The committee may reject any or all proposals if none are considered in the best interest of City-Parish.

11. Notice of Intent to Award

Upon review and approval of the evaluation committee's recommendation for award by the Director of Purchasing and the Metropolitan Council, a *Notice of Intent to Award* letter will be issued to the Proposer. The City-Parish desires to have a contract completed and signed by all parties concerned, on or before the date indicated in the Schedule of Events. If the Proposer fails to submit the Award Contract by the scheduled deadline, through no liability of the City-Parish, the City-Parish may elect to cancel the *Notice of Intent to Award* letter and make the award to the next highest scored Proposer.

The Purchasing Division shall notify all unsuccessful Proposers as to the outcome of the evaluation process, and include, upon request, evaluation factors, points, and a summary. A recommendation report shall be made available to all interested parties after the *Notice of Intent to Award* letter has been issued.

12. Contract Negotiations

If, for any reason, the Proposer whose proposal is most responsive to the City-Parish's needs, price, and other evaluation factors set forth in the RFP considered, does not agree to the contract, that proposal shall be rejected and the City-Parish may negotiate with the next highest scored Proposer. Negotiation may include revision of non-mandatory terms, conditions, and requirements. Negotiation shall also allow price adjustments. The final contract form shall be reviewed by the Purchasing Division and approved by the Parish Attorney prior to issuance of a purchase order, if applicable, to complete the process.

The RFP, any addendums, and the proposal of the selected Proposer will become part of any contract initiated by the City-Parish.

In no event is a Proposer to submit its own standard contract terms and conditions as a response to this RFP. The Proposer needs to address the specific language in the sample contract "Attachment D" and submit with their proposal any exceptions or exact contract deviations that the firm wishes to negotiate. The terms for both of these documents may be negotiated as part of the negotiation process, with the exception of contract provisions that are non-negotiable.

If the contract negotiation period exceeds **30 days,** or if the selected Proposer fails to sign the contract within **seven calendar days of delivery of the contract**, the City-Parish may elect to cancel the award and award the contract to the next highest scored Proposer.

Award shall be made to the Proposer whose proposal, conforming to the RFP, will be the most advantageous to the City-Parish, price and other factors considered.

13. Ownership

All proposals and/or documentation submitted therewith are City-Parish's property for all purposes.

Proposers must clearly mark documents or information as "confidential" in order to claim exemption, if any, from public records disclosure and specifically justify the exemption.

Confidential Information, Trade Secrets, and Proprietary Information

The designation of certain information as trade secrets and/or privileged or confidential proprietary information shall only apply to the technical portion of your proposal. Your cost proposal will not be considered confidential under any circumstance. Any proposal copyrighted or marked as confidential or proprietary in its entirety may be rejected without further consideration or recourse.

For the purposes of this procurement, the provisions of the Louisiana Public Records Act (La. R.S. 44.1 et. seq.) will be in effect. Pursuant to this Act, all proceedings, records, contracts, and other public documents relating to this procurement shall be open to public inspection. Proposers are reminded that while trade secrets and other proprietary information they submit in conjunction with this procurement may not be subject to public disclosure, protections must be claimed by the Proposer at the time of submission. Proposers should refer to the Louisiana Public Records Act for further clarification.

The Proposer shall mark the cover sheet of the proposal with the following legend, specifying the specific page(s) and/or section(s) of the proposal that are sought to be restricted:

"The data contained on page(s) XX and/or section(s) XX of the proposal have been submitted in confidence and contain trade secrets and/or privileged or confidential information and such data shall only be disclosed for evaluation purposes, provided that, if a contract is awarded to this Proposer as a result of or in connection with the submission of this proposal, the City-Parish shall have the right to use or disclose the data therein to the extent provided in the contract. This restriction does not limit the City-Parish's right to use or disclose data obtained from any source, including the Proposer, without restrictions."

Further, to protect such data, each page containing such data shall be specifically identified and marked "CONFIDENTIAL."

If a competing Proposer or other person seeks review or copies of another Proposer's confidential data, the City-Parish will notify the owner of the asserted data of the request. If the owner of the asserted data does not want the information disclosed, it must agree to indemnify the City-Parish and hold the City-Parish harmless against all actions or court proceedings that may ensue (including attorney's fees), which seek to order the City-Parish to disclose the information. If the owner of the asserted data refuses to indemnify and hold the City-Parish harmless, the City- Parish may disclose the information.

The City-Parish reserves the right to make any proposal, including proprietary information contained therein, available to Purchasing Division personnel, the Office of the Mayor-President, or other City-Parish agencies or organizations for the sole purpose of assisting the City-Parish in its evaluation of the proposal. The City-Parish shall require said individuals to protect the confidentiality of any specifically identified proprietary information or privileged business information obtained as a result of their participation in these evaluations.

If your proposal contains confidential information, you should also submit a redacted copy along with your proposal. If you do not submit the redacted copy, you will be required to submit this copy within 48 hours of notification from Purchasing. When submitting your redacted copy, clearly mark the cover as – "***Redacted Copy***" – to avoid having this copy reviewed by an evaluation committee member. The redacted copy should also state which sections or information has been removed.

14. Legibility / Clarity

Responses to the requirements of this RFP in the formats requested are desirable, with all questions answered in as much detail as practicable. The Proposer's response should demonstrate an understanding of the requirements. Proposals prepared simply and economically, providing a straightforward, concise

description of the Proposer's ability to meet the requirements of the RFP are also desired. Each Proposer shall be solely responsible for the accuracy and completeness of its proposal.

15. Effects

The City-Parish is not responsible for any cost associated with RFP development, submission, or presentation, and is not responsible for any costs associated, in any way, with contract negotiation.

Changes, Addenda, & Withdrawals

The City-Parish reserves the right to change the schedule of events or issue addenda to the RFP at any time. The City-Parish also reserves the right to cancel or reissue the RFP.

If the Proposer needs to submit changes or addenda, such shall be submitted in writing prior to the proposal opening, signed by an authorized representative of the Proposer, cross-referenced clearly to the relevant proposal section, and submitted in a sealed envelope, marked [***Addenda***] **Analytical Laboratory Services for Regulatory Compliance Sampling for The City of Baton Rouge/Parish of East Baton Rouge, Department of Environmental Services**.

A Proposer may withdraw a proposal that has been submitted at any time up to the proposal closing date and time. To accomplish this, a written request signed by the authorized representative of the Proposer must be submitted to the Purchasing Division.

Deliverables

The deliverables and structure listed in **Section 2** are the minimum desired from the successful Proposer. Every Proposer should describe what deliverables will be provided per their proposal and how the proposed deliverables will be provided.

Acceptance

All proposals shall be considered valid for acceptance until such time an award is made, unless the Proposer provides for a different time period within its proposal response.

The City-Parish reserves the right to reject a proposal if the Proposer's response is unacceptable, and the Proposer is unwilling to extend the validity of its proposal.

The mandatory RFP requirements shall become contractual obligations if a contract ensues. Failure of the successful Proposer to accept these obligations shall result in the rejection of the proposal.

Rejection

Issuance of this RFP in no way constitutes a commitment by the City-Parish to award a contract. The City-Parish reserves the right to accept or reject any or all proposals submitted or to cancel this RFP if it is in the best interest of the City-Parish to do so. Failure to submit all non-mandatory information requested may result in the City-Parish requiring prompt submission of missing information and/or giving a lower score in the evaluation of the proposal.

Proposals received after the deadline, corrupted files, and incomplete submissions will not be considered.

Order of Precedence

In the event of an inconsistency between the contract, the RFP, and/or the Proposer's proposal, the inconsistency shall be resolved by giving precedence first to the final contract, then to the RFP and subsequent addenda (if any), and finally, the Proposer's proposal.

16. Required Attachments with Proposal

In addition to the proposal, Proposers are required to complete and submit the following attachments:

- "Attachment B" Proposal Forms
- "Attachment B-1" Pricing Schedule
- "Attachment C" Insurance Requirements
- "Attachment D" Sample Contract

17. Sample Agreement

The City-Parish supplies a sample professional services agreement in "Attachment D."

The selected Proposer shall be expected to enter into a contract that is substantially the same as the sample agreement.

Proposer shall not submit its own standard contract terms and conditions as a response to this RFP.

Non-negotiable contract terms include but are not limited to taxes, assignment of contract, audit of records, EEOC and ADA compliance, record retention, content of contract/order of precedence, contract changes, governing law, claims or controversies, and termination based on contingency of appropriation of funds (if applicable).

18. Taxes

Any taxes, other than state and local sales and use taxes, from which the City-Parish is exempt, shall be assumed to be included within the Proposer's cost.

19. Proposal Submission Requirements

It shall be a requirement of the Proposer to demonstrate through its response to this RFP that the Proposer can effectively meet or exceed the stated requirements listed in this section.

Proposers must respond to each of the requirements, explaining and demonstrating their qualifications. Each response will be evaluated and scored. Supporting documentation and actual examples of currently provided services must be provided within the Proposer's response. Please note that all proposals will be public record, and all personally identifiable information must be redacted from documentation. Scoring will be based on the content, depth, and detail in the response, and the documentation provided in support of responses. Failure to provide supporting documentation or inadequate documentation may result in a reduced or failing score.

Submission Documents

Please refer to **Section 2.**

20. Claims or Controversies

Any Proposer who believes they were adversely affected by the City-Parish's procurement process or award, may file a protest. It must be submitted in writing to the Director of Purchasing and specifically state the particular facts which form the basis of the protest and the relief requested. Protests with regard to the specification documents will not be considered after proposals are opened and must be received at least two (2) days prior to the due date and time RFP responses are due. Protests associated with contract award must be received within seven (7) days from the issuance of the notice of intent to award.

The City-Parish will take action on protests within fifteen (15) days of the receipt thereof. The City-Parish may suspend, postpone or defer the proposal process and/or award in whole or in part upon receipt of a protest.

A protest shall be limited to issues arising from the procurement provisions of the contract and state or local law. Protests with regard to basic project design will not be considered.

Protests may be reviewed by a committee appointed by the Parish Attorney. The decision of the committee regarding the protest will be given to the Proposer in writing within ten (10) days after all pertinent information has been considered. The decision of the Review Committee shall be a condition precedent to any other proceedings in connection with a protest and shall be considered the administrative remedy available to the protesting bidder.

21. Debriefing

Debriefings may be requested by the participating Proposers after a contract has been awarded. Contact may be made by phone at (225) 389-3259 or E-mail to purchasinginfo@brla.gov to schedule the debriefing. Debriefings shall occur within 15 days after the Contract Award and will not be conducted prior to contract award. Debriefings may be conducted so that unsuccessful proposers can review the evaluation summary and discuss the relative merits of their submitted proposal. If the requesting vendor wishes to view other file documents, a Public Records request in accordance with R.S 44.1 et. seq. can be submitted.

22. Errors and Omissions in Proposal

The City-Parish will not be liable for any error in the proposal. Proposer will not be allowed to alter proposal documents after the deadline for proposal submission, except under the following condition: The City-Parish reserves the right to make corrections or clarifications due to patent errors identified in proposals by the City-Parish or the Proposer.

The City-Parish, at its option, has the right to require clarification or additional information from the Proposer.

23. Proposal Guarantee

A proposal guarantee is not required.

24. Performance Bond

A performance bond is not required.

25. Waiver of Administrative Informalities

The City-Parish reserves the right, at its sole discretion, to waive administrative informalities contained in any proposal.

26. Minimum Scope of Insurance

Proposer shall furnish the City-Parish with certificates of insurance affecting coverage(s) required by the RFP (see "Attachment C").

The certificates for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The certificates are to be received and approved by the City-Parish prior to contract execution. The City-Parish reserves the right to require complete certified copies of all required policies, at any time.

27. Corporation Requirements

If the Proposer is a corporation and not incorporated under the laws of the State of Louisiana, the Proposer shall have obtained a certificate of authority pursuant to R.S. 12:301-302 from the Secretary of State of Louisiana, prior to the execution of the contract.

Upon the award of the contract, if the Proposer is a for-profit corporation whose stock is not publicly traded, the Proposer shall ensure that a disclosure of ownership form has been properly filed with the Secretary of State of Louisiana.

If services are to be performed in the City of Baton Rouge, Parish of East Baton Rouge, evidence of a current occupational license and/or permit issued by the City-Parish shall be supplied by the successful vendor, if applicable.

28. Proposer Responsibilities

The selected Proposer shall be required to assume responsibility for all items and services offered in his proposal whether or not he produces or provides them. The City-Parish shall consider the selected Proposer to be the sole point of contact with regard to contractual matters, including payment of any and all charges resulting from the contract.

29. Use of Sub-contractors

Each Proposer shall serve as the single prime Proposer for all work performed pursuant to its contract. That prime Proposer shall be responsible for all deliverables referenced in this RFP. This general requirement notwithstanding, Proposers may enter into subcontractor arrangements. Proposers may submit a proposal in response to this RFP, which identifies subcontract(s) with others, provided that the prime Proposer acknowledges total responsibility for the entire contract.

The City-Parish is an equal opportunity employer and encourages the participation of Disadvantaged Business Enterprises (DBE) in all of its projects. Proposers/Prospective Proposers are strongly encouraged to make positive efforts to utilize minority subcontractors for a portion of this project. Proposers are requested to include in their proposal a description of plans for minority participation under this Contract as suppliers or subcontractors.

Information required of the Prime Proposer under the terms of the RFP, is also required for each subcontractor and the subcontractors must agree to be bound by the terms of the contract. The prime Proposer shall assume total responsibility for compliance.

30. Civil Rights Compliance

The Proposer agrees to abide by the requirements of the following as applicable: Title VI and Title VII of the Civil Rights Act of 1964, as amended by the Equal Opportunity Act of 1972, Federal Executive Order 11246, the Federal Rehabilitation Act of 1973, as amended, the Vietnam Era Veteran's Readjustment Assistance Act of 1974, Title IX of the Education Amendments of 1972, the Age Act of 1975, and the Americans with Disabilities Act of 1990. Proposer agrees not to discriminate in its employment practices and will render services under this Agreement or any contract entered into as a result of this Agreement, without regard to race, color, religion, sex, sexual orientation, national origin, veteran status, political affiliation, or disabilities. Any act of discrimination committed by Proposer, or failure to comply with these statutory obligations when applicable, shall be grounds for termination of this Agreement and any contract entered into as a result of this agreement.

31. Governing Law

All activities associated with this RFP process shall be interpreted under applicable Louisiana Law. All proposals and contracts submitted are subject to provisions of the laws of the State of Louisiana, including but not limited to, L.R.S. 38-2211-2296; section 1:701-710 of the City-Parish Code of Ordinances, purchasing regulations; standard terms and conditions; special terms and conditions; and specifications listed in this RFP.

32. Audit of Records

The City-Parish, designated person representing the City-Parish, or other lawful entity shall have the option to audit all accounts and records, physical, digital, or otherwise, directly pertaining to the resulting contract for a period of five (5) years after project acceptance or as required by applicable local, state, or federal law. Records shall be made available during normal business hours for this purpose.

The Proposer shall maintain all records in relation to this contract for a period of at least five (5) years after final close-out of the contract.

33. Liability & Risk Management

Insurance

Proposer shall secure and maintain at its expense such insurance that will protect it from claims under the Workmen's Compensation Acts and from claims for bodily injury, death or property damage, which may arise from the performance of services under this Agreement, as referenced in "Attachment C." All certificates of insurance shall be furnished to the City-Parish and shall provide that such insurance shall not be cancelled without prior notice given to the City-Parish, in writing. Notices will name Proposer, and identify the Metropolitan Council Resolution approving the terms of this Agreement. The City-Parish may examine the policies at any time and without notice.

All policies and certificates of insurance acquired pursuant to this contract shall contain the clauses following:

- Proposer's insurers will have no right of recovery or subrogation against the City-Parish.

- The City-Parish shall be named as additional insureds as regards to general liability and automobile liability with respect to negligence by Proposer.
- The insurance company(ies) issuing the policy or policies shall have no recourse against the City-Parish for payment of any premiums or for assessments under any form of policy.
- Any and all deductibles in the below described insurance policies shall be assumed by and be at the sole risk of Proposer.

Prior to the execution of this Agreement Proposer shall provide at its own expense, proof of the following insurance coverage required by the contract to the City-Parish by insurance companies authorized to do business in the State of Louisiana. Insurance is to be placed with insurers with an AM Best Rating of no less than A:VI.

1. In the event Proposer hires workers within the State of Louisiana, it shall procure and maintain Commercial General Liability insurance with a Combined Single Limit of *at least* One Million Dollars ($1,000,000.00) per occurrence for bodily injury and property damage. This insurance shall include coverage for bodily injury and property damage.
2. Business Automobile Liability insurance with Combined Single Limit of One Million Dollars ($1,000,000.00) per occurrence for bodily injury and property damage, unless otherwise indicated. This insurance shall include for bodily injury and property damage.

All policies of insurance shall meet the requirements of the City-Parish prior to the commencing of any work. The City-Parish has the right but not the duty to approve all insurance policies prior to commencing of any work. If at any time any of the said policies shall fail to meet the requirements as set forth herein or if any of the companies issuing Proposer's policies hereunder fails to meet or maintain an AM Best Rating of no less than A:VI, Proposer shall promptly obtain a new policy, submit the same to the City-Parish for approval and submit a certificate thereof as provided above.

Upon failure of Proposer to deliver and maintain such insurance as above provided, the contract, at the election of the City-Parish, may be forthwith declared suspended, discontinued or terminated. Failure of Proposer to take out and/or to maintain insurance shall not relieve Proposer from any liability under the contract, nor shall the insurance requirements be construed to conflict with the obligation of Proposer concerning indemnification.

Indemnification

Proposer shall indemnify, defend and hold harmless City-Parish from and against any and all claims against City-Parish arising out of Proposer's performance of its obligations hereunder. This provision, however, shall not be considered and shall not be construed to be a waiver of any defense, including sovereign or official immunity, to any claim against City-Parish by an employee of company or any other person in any way whatsoever. Further, the Proposer will look to its own insurance for recovery of any or the foregoing losses and shall waive any right of recovery of insured claims by anyone claiming through them, by way of subrogation or otherwise, including Proposer's respective insurers. This release and waiver remains effective despite either party's failure to obtain insurance.

34. Written or Oral Discussions / Presentation

Written or oral discussions may be conducted with Proposers who submit proposals determined to be reasonably susceptible of being selected forward. The City-Parish reserves the right to enter into an agreement without further discussion of the proposal submitted based on the initial offers received.

Any commitments or representations made during these discussions, if conducted, may become formally recorded in the final contract.

Written or oral discussions/presentations for clarification may be conducted to enhance City-Parish understanding of any or all of the proposals submitted. Neither negotiations, nor changes to vendor proposals, will be allowed during these discussions. Proposals may be accepted without such discussions.

35. Payment for Services

The Proposer shall be entitled to payment in accordance with the provisions of this paragraph. Proposer shall invoice the City-Parish on a monthly basis. The contract will be issued with a maximum (not to exceed) total contract price. Payments will be made by the City-Parish within approximately thirty (30) days after receipt and approval of a properly executed invoice, and approval by the department. Invoices shall include the contract or purchase order number, using department and product/service provided. Invoices submitted without the referenced documentation will not be approved for payment until the required information is provided.

36. Termination

Termination for Cause

The City-Parish may terminate this contract for cause based upon the failure of the Proposer to comply with the terms and/or conditions of the Agreement, or failure to fulfill its performance obligations pursuant to this Agreement, provided that the City-Parish shall give the Proposer written notice specifying the Proposer's failure. If within thirty (30) days after receipt of such notice, the Proposer shall not have either corrected such failure or, in the case of failure which cannot be corrected within thirty (30) days, begun in good faith to correct such failure and thereafter proceeded diligently to complete such correction, then the City-Parish may, at its option, place the Proposer in default and the Agreement shall terminate on the date specified in such notice.

The Proposer may exercise any rights available to it under Louisiana Law to terminate for cause upon the failure of the City-Parish to comply with the terms and conditions of this contract; provided that the Proposer shall give the City-Parish written notice specifying the City-Parish failure and a reasonable opportunity for the City-Parish to cure the defect.

Termination for Lack of Appropriated Funds

Should the RFP result in a multi-year contract, a non-appropriation clause shall be made a part of the contract terms as required by state statutes, allowing the City-Parish to terminate the contract for lack of appropriated funds on the date of the beginning of the first fiscal year for which funds are not appropriated.

If the RFP contract services are funded by grant funds, the City-Parish shall have the right to terminate the contract or any issued Task Order for which funding is terminated.

Termination for Convenience

The City-Parish may terminate this Agreement at any time by giving thirty (30) days written notice to the Proposer of such termination or negotiating with the Proposer an effective date.

The Proposer shall be entitled to payment for deliverables in progress, to the extent work has been performed satisfactorily.

37. Assignment

Assignment of contract, or any payment under the contract, requires the advanced written approval of the City-Parish. Neither the City-Parish nor the Purchasing Division obligates itself to contract for or accept more than the actual requirements during the period of this agreement, as determined by actual needs and availability of appropriated funds.

Proposals should include the names and qualifications of the individuals that will be assigned to this project. Substitution of personnel shall be approved by the City-Parish.

38. Funds Use

Proposer agrees not to use contract proceeds to urge any elector to vote for or against any candidate or proposition on an election ballot nor shall such funds be used to lobby for or against any proposition or matter having the effect of law being considered by the Louisiana Legislature or any local governing authority. This provision shall not prevent the normal dissemination of factual information relative to a proposition on any election ballot or a proposition or matter having the effect of law being considered by the Louisiana Legislature or any local governing authority.

39. Proposer's Certification of No Suspension or Debarment

By signing and submitting any proposal for $25,000 or more, the Proposer certifies that their company, any sub-contractors, or principals are not suspended or debarred by the General Services Administration (GSA).

Proposer has a continuing obligation to disclose any suspensions or debarment by any government entity, including but not limited to the General Services Administration (GSA). Failure to disclose may constitute grounds for suspension and/or termination of the Contract and debarment from future contracts. A list of parties who have been suspended or debarred can be viewed on the internet at www.sam.gov.

40. Independent Proposer

No relationship of employer and employee is created by this Agreement; it being understood and agreed that Proposer is an independent Proposer. Proposer is not the agent or employee of the City-Parish in any capacity whatsoever, and City-Parish shall not be liable for any acts or omissions by Proposer nor for any obligations or liabilities incurred by Proposer.

Proposer shall have no claim under this Agreement or otherwise, for seniority, vacation time, vacation pay, sick leave, personal time off, overtime, health insurance, medical care, hospital care, retirement benefits, social security, disability, Workers' Compensation, or unemployment insurance benefits, civil service protection, or employee benefits of any kind.

41. Conflict of Interest / Confidentiality

The Proposer covenants that it presently has no interest, and shall not have any interest, direct or indirect, which would conflict in any manner with the performance of services required under this Agreement. Without limitation, Proposer represents to and agrees with City-Parish that Proposer has no present, and will have no future, conflict of interest between providing the City-Parish's services hereunder and any other person or entity which has any interest adverse or potentially adverse to City-Parish, as determined in the reasonable judgment of the City-Parish.

The Proposer agrees that any information, whether proprietary or not, made known to or discovered by it during the performance of or in connection with this Agreement for City-Parish will be kept confidential and not be disclosed to any other person. The Proposer agrees to immediately notify City-Parish by notices, if it is requested to disclose any information made known to or discovered by it during the performance of or in connection with this Agreement. These conflict of interest and future service provisions and limitations shall remain fully effective five years after termination of services to City-Parish hereunder.

42. Use of City-Parish's Property

Proposer shall not use City-Parish's property (including equipment, instruments and supplies) or personnel
for any purpose other than in the performance of his/her obligations under this Agreement.

43. Waiver

No waiver of a breach, failure of any condition, or any right or remedy contained in or granted by the provisions of this Agreement shall be effective unless it is in writing and signed by the party waiving the breach, failure, right, or remedy. No waiver of any breach, failure, right or remedy shall be deemed a waiver of any other breach, failure, right or remedy, whether or not similar, nor shall any waiver constitute a continuing waiver unless the writing so specifies.

44. Force Majeure

The Proposer or City-Parish shall be excused from performance under the contract for any period that the Proposer or City-Parish is prevented from performing any services in whole or in part as a result of an act of God, strike, war, civil disturbance, epidemic, or court order, provided the Proposer or City-Parish has prudently and promptly acted to take any and all corrective steps that are within the Proposer's or City-Parish's control to ensure that the Proposer or City-Parish can promptly perform and to minimize the effect of such events upon performance of their respective duties under the contract.

45. Federal Clauses

The following clauses are mandatory if Federal Funds are utilized.

Remedies

As a breach of service would cause serious and substantial damages to the City-Parish and its occupants, and the nature of resulting contract would render it impractical or extremely difficult to fix the actual damage sustained by the City-Parish by such breach, it is agreed that in case of a breach of service, the City-Parish may elect to collect liquidated damages as specified in the resulting contract, not as a penalty,

such sums being agreed as the amount which the City-Parish will be damaged by the breach of such service.

The decision to seek such remedies shall not be construed as a waiver of any legal remedies the City-Parish may have as to any subsequent breach of service.

If the Proposer fails to perform, or to perform in a satisfactory manner, or to perform in strict compliance with the resulting Contract, the Proposer will be considered to be in Breach of Contract, in addition to such remedies of a less formal but corrective nature as may be delineated between the City-Parish and the Proposer elsewhere in the resulting Contract Documents, the City-Parish retains, solely to itself, all such remedies.

Equal Employment Opportunity

During the performance of this Agreement, the Proposer agrees as follows:

- The Proposer will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The Proposer will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following:

  Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Proposer agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

- The Proposer will, in all solicitations or advertisements for employees placed by or on behalf of the Proposer, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.

- The Proposer will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the Proposer's legal duty to furnish information.

- The Proposer will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the Proposer's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

- The Proposer will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

- The Proposer will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules,

regulations, and orders.

- In the event of the Proposer's noncompliance with the nondiscrimination clauses of this Agreement or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the Proposer may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

- The Proposer will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each sub-contractor or vendor. The Proposer will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance.

Provided, however, that in the event a Proposer becomes involved in, or is threatened with, litigation with a sub-contractor or vendor as a result of such direction by the administering agency, the Proposer may request the United States to enter into such litigation to protect the interests of the United States.

The applicant further agrees that it will be bound by the above equal opportunity clause with respect to its own employment practices when it participates in federally assisted construction work: Provided, that if the applicant so participating is a state or local government, the above equal opportunity clause is not applicable to any agency, instrumentality or subdivision of such government which does not participate in work on or under the contract.

The applicant agrees that it will assist and cooperate actively with the administering agency and the Secretary of Labor in obtaining the compliance of Proposers and sub-contractors with the equal opportunity clause and the rules, regulations, and relevant orders of the Secretary of Labor, that it will furnish the administering agency and the Secretary of Labor such information as they may require for the supervision of such compliance, and that it will otherwise assist the administering agency in the discharge of the agency's primary responsibility for securing compliance.

The applicant further agrees that it will refrain from entering into any contract or contract modification subject to Executive Order 11246 of September 24, 1965, with a contractor debarred from, or who has not demonstrated eligibility for, Government contracts and federally assisted construction contracts pursuant to the Executive Order and will carry out such sanctions and penalties for violation of the equal opportunity clause as may be imposed upon Proposers and sub-contractors by the administering agency or the Secretary of Labor pursuant to Part II, Subpart D of the Executive Order. In addition, the applicant agrees that if it fails or refuses to comply with these undertakings, the administering agency may take any or all of the following actions: cancel, terminate, or suspend in whole or in part this grant (contract, loan, insurance, guarantee); refrain from extending any further assistance to the applicant under the program with respect to which the failure or refund occurred until satisfactory assurance of future compliance has been received from such applicant; and refer the case to the Department of Justice for appropriate legal proceedings.

Davis-Bacon and Copeland Anti-Kickback Act

The Proposer shall comply with the Davis-Bacon Act (40 U.S.C. 3141-3144 and 3146-3148) as supplemented by the Department of Labor regulations (29 CFR Part 5, “Labor Standard Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction”). In accordance with this statute, the Proposer is required to pay wages to laborers and mechanics at a rate not less than the

prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, the Proposer is required to pay wages not less than once a week.

The Proposer shall comply with the Copeland "Anti-Kickback" Act (40 U.S.C. 3145), as supplemented by the Department of Labor regulations (29 CFR Part 3, "Contractors and Sub-contractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). The Proposer is prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled.

Contract Work Hours and Safety Standards Act

Pursuant to 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5), the Proposer is required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 U.S.C. 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

Rights to Interventions Made Under a Contract or Agreement

If the Federal award meets the definition of "funding agreement" under 37 CFR §401.2 (a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that "funding agreement," the recipient or subrecipient must comply with the requirements of 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency.

Clean Air Act and the Federal Water Pollution Control Act

The Proposer is required to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

Byrd Anti-Lobbying Amendment

Proposers that apply or bid for an award exceeding $100,000 must file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier, up to the non-Federal award.

Procurement Recovered Materials

Proposer shall comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act which pertains to procuring only items designated in the guidelines of the Environmental Protection Agency (EPA) at 40 CFR Part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the

purchase price of the item exceeds $10,000.00 or the value of the quantity acquired during the preceding fiscal year exceed $10,000.00; procuring solid waste management services in a manner that maximizes energy resource recovery; and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.

Program Fraud and False or Fraudulent Statements or Related Acts

The Proposer acknowledges that 31 U.S.C. Chap. 38 (Administrative Remedies for False Claims and Statements) applies to the Proposer's actions pertaining to this contract.

Compliance with Federal Law, Regulations, and Executive Orders

The Proposer will comply will all applicable federal law, regulations, executive orders, FEMA and/or HUD policies, procedures, and directives.

No Obligation by Federal Government

The Federal Government is not a party to this contract and is not subject to any obligations or liabilities to the non-Federal entity, Proposer, or any other party pertaining to any matter resulting from the contract.

To achieve a uniform review process and obtain the maximum degree of comparability, the City-Parish requires that the proposals be organized in the manner as specified in **Section 2.**

ATTACHMENT B
PROPOSAL FORMS
CITY OF BATON ROUGE
PARISH OF EAST BATON ROUGE

Sealed proposals will be received by the City of Baton Rouge, Parish of East Baton Rouge until **October 21, 2021, at 2:00 P.M**., local time, at the following location:

City Hall Building
Division of Purchasing
222 St. Louis Street, Room #826
Baton Rouge, LA 70802

PROPOSAL OF _____

ADDRESS_____

DATE_____

The undersigned hereby agrees to furnish all materials, tools, equipment, insurance, and labor to perform all services required for the following project:

"Analytical Laboratory Services for Regulatory Compliance Sampling for The City of Baton Rouge/Parish of East Baton Rouge, Department of Environmental Services"

As set forth in the following Contract Documents:

(1) Notice to Proposers
(2) The Specifications (Administrative and General Information, Scope of Work/Services, Evaluation, Performance Standards, & Attachments)
(3) Proposal Forms with Attachments
(4) Agreement
(5) The following enumerated addenda:_____receipt of which is hereby acknowledged.

The undersigned declares that the only persons or parties interested in this proposal as principals are those named herein; that this proposal is made without collusion of any kind with any other person, firm, association, or corporation; that the undersigned has carefully examined this Request for Proposal, and proposes, and agrees, if this proposal is accepted, to do all the work and furnish all the services specified in accordance with the requirements of the Contract Documents and to accept as full compensation therefore the total amount of the prices herein proposed, subject to any mutually agreed upon amendments. The undersigned agrees that the proposal is firm until time of award.

The undersigned agrees to execute the Agreement and Affidavit and furnish to the City-Parish all insurance certificates and performance bond (if applicable) required for the project within fifteen (15) calendar days after receiving notice of award from the City-Parish.

The undersigned further agrees that the work will begin on the date specified in the Notice to Proceed, projected to be January 1, 2022, and shall be diligently prosecuted at such rate and in such manner as, in the opinion of the City-Parish's Representative is necessary for the prosecution of the work within the times specified in the Agreement, it being understood that time is of the essence.

The price for performance of all services in accordance with the Contract Documents is based on the unit (or other costs) proposed and accepted after contract negotiations.

NOTE: This financial proposal shall include any and all costs the Proposer wishes to have considered in the contractual arrangement with the City-Parish. If quoted as a lump sum, individual rates and itemized costs included in the lump sum are to be included with the proposal submittal.

All supplemental information requested is enclosed or presented in a separate sealed box or envelope.

_____
(Signature)

_____
(Typed Name)

***THE ATTACHED BIDDER'S ORGANIZATION SHEET MUST BE COMPLETED TO INDICATE WHETHER BIDDER IS AN INDIVIDUAL, PARTNERSHIP, ETC.**

PROPOSER'S ORGANIZATION

PROPOSER IS:

AN INDIVIDUAL

Individual's Name: _____

Doing business as: _____

Address: _____

Telephone No.: _____ Fax No.: _____

A PARTNERSHIP

Firm Name: _____

Address: _____

Name of person authorized to sign: _____

Title: _____

Telephone No.: _____ Fax No.: _____ Email: _____

A LIMITED LIABILITY COMPANY

Company Name: _____

Address: _____

Name of person authorized to sign: _____

Title: _____

Telephone No.: _____ Fax No.: _____ Email: _____

A CORPORATION

***IF PROPOSAL IS BY A CORPORATION, THE CORPORATE RESOLUTION MUST BE SUBMITTED WITH BID.**

Corporation Name: _____

Address: _____

State of Incorporation: _____

Name of person authorized to sign: _____

Title: _____

Telephone No.: _____ Fax No.: _____ Email: _____

IF BID IS BY A JOINT VENTURE, ALL PARTIES TO THE BID MUST COMPLETE THIS FORM.

CORPORATE RESOLUTION

A meeting of the Board of Directors of _____, a corporation organized under the laws of the State of _____, and domiciled in _____, was held this ____ day of _____, 2021, and was attended by a quorum of the members of the Board of Directors.

The following resolution was offered, duly seconded, and after discussion was unanimously adopted by said quorum:

BE IT RESOLVED, that _____ is hereby authorized to submit proposals and execute agreements on behalf of this corporation with the City of Baton Rouge, Parish of East Baton Rouge, Louisiana.

BE IT FURTHER RESOLVED, that said authorization and appointment shall remain in full force and effect, unless revoked by resolution of this Board of Directors and that said revocation will not take effect until the Purchasing Director of the City of Baton Rouge, Parish of East Baton Rouge, Louisiana, shall have been furnished a copy of said resolution, duly certified.

I, _____, herby certify that I am the Secretary of _____, a corporation created under the laws of the State of _____, domiciled in _____; that the foregoing is a true and exact copy of a resolution adopted by a quorum of the Board of Directors of said corporation at a meeting legally called and held on the ____ day of _____, 2021, as said resolution appears of record in the Official Minutes of the Board of Directors in my possession.

This ____ day of _____, 2021.

_____
Secretary

AFFIDAVIT

STATE OF LOUISIANA
PARISH OF EAST BATON ROUGE

BEFORE ME, the undersigned authority, personally came and appeared

_____

who, being duly sworn did depose and say:

That he is a duly authorized representative of _____ receiving value for services rendered in connection with a public project of the City of Baton Rouge, Parish of East Baton Rouge, Louisiana: that he has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by him whose services in connection with the project or in securing the public contract were in the regular course of their duties for him; and t at no part of the contract price received by him was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by him whose services in connection with the project were in the regular course of their duties for him.

This affidavit is executed in compliance with the provisions of LA R.S. 38:2224.

_____

Affiant's Signature

SWORN TO AND SUBSCRIBED before me, on this_____day of October, 2021
Baton Rouge, Louisiana.

_____

NOTARY PUBLIC

day of _____

ATTACHMENT B-1
PRICING SCHEDULE
CITY OF BATON ROUGE
PARISH OF EAST BATON ROUGE

PROPOSER'S VENDOR NAME

***This form should be sealed in a separate envelope marked "Proposed Costs & Fees."**

The financial proposal shall include any and all costs the Vendor wishes to have considered in the contractual arrangement with the City-Parish. If quoted as a lump sum, individual rates and itemized costs included in lump sum are to be detailed with proposal submitted. List all pricing details here or in a format similar in nature to this schedule. Include all possible elements of cost, including, but not limited to, **Labor & Staffing; Services, Procedures, & Products; and All Other Elements of Cost.**

Table 1. Analytical Testing and Other Services

Analytical Testing				
Column A Test	Column B Required Turnaround Time	Column C Total Samples Annually	Column D Unit Price	UNIT PRICE EXTENSION (Column C x Column D)
% Solids	14 days	17		
% Solids (Sludge)	14 days	17		
1,1,1,2-Tetrachloroethane	14 days	33		
1,1,1-trichloroethane	14 days	41		
1,1,1-Trichloroethane	5 days	12		
1,1,2,2-tetrachloroethane	14 days	41		
1,1,2,2-Tetrachloroethane	5 days	12		
1,1,2-Trichloloethane	14 days	41		
1,1,2-Trichloroethane	5 days	12		
1,1-dichloroethane	14 days	41		
1,1-Dichloroethane	5 days	12		
1,1-dichloroethylene	14 days	8		
1,1-Dichloroethylene	5 days	12		
1,1-Dichloroethylene	7 days	2		
1,2,3-Trichloropropane	14 days	33		
1,2,4-trichlorobenzene	14 days	8		
1,2,4-Trichlorobenzene	5 days	12		
1,2-Dibromethane	14 days	33		
1,2-Dibromo-3-chloropropane	14 days	33		
1,2-dichlorobenzene	14 days	41		
1,2-Dichlorobenzene	5 days	12		
1,2-dichloroethane	14 days	41		
1,2-Dichloroethane	5 days	12		
1,2-Dichloroethane	7 days	2		
1,2-dichloropropane	14 days	41		
1,2-Dichloropropane	5 days	12		
1,2-diphenylhydrazine (as azobenzene)	14 days	8		
1,2-Diphenylhydrazine (as azobenzene)	5 days	12		
1,2-trans-dichloroethylene	14 days	8		
1,2-trans-Dichloroethylene	5 days	12		

Analytical Testing				
Column A Test	Column B Required Turnaround Time	Column C Total Samples Annually	Column D Unit Price	UNIT PRICE EXTENSION (Column C x Column D)
1,3-dichlorobenzene	14 days	8		
1,3-Dichlorobenzene	5 days	12		
1,3-dichloropropylene	14 days	8		
1,3-Dichloropropylene	5 days	12		
1,4.Dichlorobenzene	14 days	41		
1,4-Dichlorobenzene	5 days	12		
1,4-Dichlorobenzene	7 days	2		
2-(2,4,5-trichlorophenoxy)propionic acid	14 days	8		
2,3,7,8-tetrachlorodibenzo-p-dioxin	14 days	8		
2,3-dichlorophenol	14 days	8		
2,4,5-Trichlorophenol	7 days	4		
2,4,6-Trichlorophenol	5 days	12		
2,4,6-Trichlorophenol	14 days	16		
2,4-dichlorophenol	14 days	8		
2,4-Dichlorophenol	5 days	12		
2,4-dichlorophenoxyacetic acid (2,4-D)	7 days	10		
2,4-dichlorophenoxyacetic acid (2,4-D)	14 days	8		
2,4-dimethylphenol	14 days	8		
2,4-Dimethylphenol	5 days	12		
2,4-dinitrophenol	14 days	8		
2,4-Dinitrophenol	5 days	12		
2,4-dinitrotoluene	14 days	8		
2,4-dinitrotoluene	5 days	12		
2,4-Dinitrotoluene	7 days	2		
2,5-dichlorophenol	14 days	8		
2,6-dichlorophenol	14 days	8		
2,6-dinitrotoluene	14 days	8		
2,6-dinitrotoluene	5 days	12		
2·Hexanone	14 days	33		
2-chloroethyl vinyl ether	14 days	8		
2-Chloroethyl vinyl ether	5 days	12		
2-chloronaphthalene	14 days	8		
2-Chloronaphthalene	5 days	12		
2-chlorophenol	14 days	8		
2-Chlorophenol	5 days	12		
2-Methylphenol	7 days	2		
2-nitrophenol	14 days	8		
2-Nitrophenol	5 days	12		
3,3'-dichlorobenzidine	14 days	8		
3,3'-Dichlorobenzidine	5 days	12		
3,4-benzofluoranthene	14 days	8		

Analytical Testing				
Column A Test	Column B Required Turnaround Time	Column C Total Samples Annually	Column D Unit Price	UNIT PRICE EXTENSION (Column C x Column D)
3,4-Benzofluoranthene	5 days	12		
3,4-dichlorophenol	14 days	8		
3-chlorophenol	14 days	8		
3-Methylphenol	7 days	2		
4,4'-DDD	14 days	8		
4,4'-DDE	14 days	8		
4,4'-DDT	14 days	8		
4,6-dinitro-o-cresol	14 days	8		
4,6-Dinitro-o-cresol	5 days	12		
4-bromophenyl phenyl ether	14 days	8		
4-Bromophenyl phenyl ether	5 days	12		
4-chlorophenol	14 days	8		
4-chlorophenyl phenyl ether	14 days	8		
4-Chlorophenyl phenyl ether	5 days	12		
4-Methylphenol	7 days	2		
4-nitrophenol	14 days	8		
4-Nitrophenol	5 days	12		
Acenaphthene	14 days	8		
Acenaphthene	5 days	12		
Acenaphthylene	14 days	8		
Acenaphthylene	5 days	12		
Acetone	14 days	33		
Acrolein	14 days	8		
Acrolein	5 days	12		
Acrylonitrile	14 days	41		
Acrylonitrile	5 days	12		
Aldrin	14 days	8		
Alpha-BHC	14 days	8		
Alpha-endosulfan	14 days	8		
Ammonia Nitrogen, total (as N)	14 days	12		
Anthracene	14 days	8		
Anthracene	5 days	12		
Antimony, Total	14 days	41		
Aroclor 1016	7 days	4		
Aroclor 1221	7 days	2		
Aroclor 1232	7 days	2		
Aroclor 1242	7 days	2		
Aroclor 1248	7 days	2		
Aroclor 1254	7 days	2		
Aroclor 1260	7 days	2		
Arsenic	14 days	12		

Analytical Testing				
Column A Test	Column B Required Turnaround Time	Column C Total Samples Annually	Column D Unit Price	UNIT PRICE EXTENSION (Column C x Column D)
Arsenic	7 days	2		
Arsenic, Total	14 days	41		
Atrazine	7 days	10		
Barium	7 days	2		
Barium (and compounds)	14 days	33		
Benzene	14 days	41		
Benzene	5 days	12		
Benzene	7 days	2		
Benzidine	14 days	8		
Benzidine	5 days	12		
Benzo(a)anthracene	14 days	8		
Benzo(a)anthracene	5 days	12		
Benzo(a)pyrene	14 days	8		
Benzo(a)pyrene	5 days	12		
Benzo(ghi)perylene	14 days	8		
Benzo(ghi)perylene	5 days	12		
Benzo(k)fluoranthene	14 days	8		
Benzo(k)fluoranthene	5 days	12		
Benzoic Acid	14 days	4		
Beryllium, Total (as Be)	14 days	41		
Beta-BHC	14 days	8		
Beta-endosulfan	14 days	8		
Biochemical Oxygen Demand	14 days	28		
Biochemical Oxygen Demand	6 days	2232		
Biomonitoring, Coefficient of Variation, 48-Hour Acute, Daphnia pulex	14 days	8		
Biomonitoring, Coefficient of Variation, 48-Hour Acute, Pimephales promelas	14 days	8		
Biomonitoring, Coefficient of Variation, 7-Day Chronic, Ceiodaphina dubia	14 days	4		
Biomonitoring, Coefficient of Variation, 7-Day Chronic, Pimephales promelas	14 days	4		
Biomonitoring, Low Flow Pass/Fail Lethality Static Renewal. 7-day Chronic, Ceiodaphina dubia	14 days	4		
Biomonitoring, Low Flow Pass/Fail Lethality Static Renewal. 7-day Chronic, Pimephales promelas	14 days	4		
Biomonitoring, Low Flow Pass/Fail Static Renewal, 48-Hour Acute, Daphnia pulex	14 days	8		
Biomonitoring, Low Flow Pass/Fail Static Renewal, 48-Hour Acute, Pimephales Promelas	14 days	8		

Analytical Testing				
Column A Test	Column B Required Turnaround Time	Column C Total Samples Annually	Column D Unit Price	UNIT PRICE EXTENSION (Column C x Column D)
Biomonitoring, NOEC Lethality Static Renewal, 48-Hour Acute, Daphnia pulex	14 days	8		
Biomonitoring, NOEC Lethality Static Renewal, 48-Hour Acute, Pimephales promelas	14 days	8		
Biomonitoring, NOEC Lethality Static Renewal. 7-day Chronic, Ceiodaphina dubia	14 days	4		
Biomonitoring, NOEC Lethality Static Renewal. 7-day Chronic, Pimephales promelas	14 days	4		
Biomonitoring, NOEC Sub-Lethality Static Renewal. 7-day Chronic, Ceiodaphina dubia	14 days	4		
Biomonitoring, NOEC Sub-Lethality Static Renewal. 7-day Chronic, Pimephales promelas	14 days	4		
Biomonitoring, Pass/Fail Static Renewal, 7-day Chronic, Ceiodaphina dubia	14 days	4		
Biomonitoring, Pass/Fail Static Renewal, 7-day Chronic, Pimephales promelas	14 days	4		
Biomonitoring, Whole Effluent Toxicity, Ceiodaphina dubia Lethal & Sub-Lethal	14 days	4		
Bis(2-chloro-1-methylethyl)ether	14 days	8		
Bis(2-chloroethoxy)methane	14 days	8		
Bis(2-chloroethoxy)methane	5 days	12		
Bis(2-chloroethyl)ether	14 days	8		
Bis(2-chloroethyl)ether	5 days	12		
Bis(2-chloroisopropyl)ether	14 days	8		
Bis(2-chloroisopropyl)ether	5 days	12		
Bis(2-ethylhexyl)phthalate	5 days	12		
Bis(2-ethylhexyl)phthalate	14 days	16		
Bromoform	14 days	41		
Bromoform	5 days	12		
Butylbenzyl phthalate	14 days	8		
Butylbenzyl phthalate	5 days	12		
Cadmium	7 days	2		
Cadmium, Total	14 days	53		
Carbazole	14 days	8		
Carbazole	5 days	12		
Carbon disulfide	14 days	33		
Carbon tetrachloride	14 days	41		

Analytical Testing				
Column A Test	Column B Required Turnaround Time	Column C Total Samples Annually	Column D Unit Price	UNIT PRICE EXTENSION (Column C x Column D)
Carbon tetrachloride	5 days	12		
Carbon Tetrachloride	7 days	2		
Chemical Oxygen Demand	14 days	26		
Chemical Oxygen Demand	7 days	10		
Chemical Oxygen Demand	5 days	12		
Chlordane	14 days	8		
Chloride	14 days	33		
Chloride	7 days	10		
Chlorine	7 days	10		
Chlorobenzene	14 days	41		
Chlorobenzene	5 days	12		
Chlorobenzene	7 days	2		
Chlorobromomethane	14 days	33		
Chlorodibromomethane	14 days	41		
Chlorodibromomethane	5 days	12		
Chloroethane	14 days	41		
Chloroethane	5 days	12		
Chloroform	14 days	41		
Chloroform	5 days	12		
Chloroform	7 days	2		
Chromium	14 days	12		
Chromium	7 days	2		
Chromium (3+)	14 days	8		
Chromium (6+)	14 days	8		
Chromium, Total (as Cr)	14 days	143		
Chrysene	14 days	8		
Chrysene	5 days	12		
cis 1,3-Dichloropropylene	14 days	33		
cis-1,2-Dichloroethene	14 days	33		
Cobalt Compounds	14 days	33		
Color (Cobalt-Platinum Units)	7 days	10		
Copper	14 days	12		
Copper, Total (as Cu)	14 days	41		
Cyanide Total	14 days	30		
Cyanide Total	5 days	12		
Delta-BHC	14 days	8		
Dibenzo(a,h)anthracene	14 days	8		
Dibenzo(a,h)anthracene	5 days	12		
Dichlorobromomethane	14 days	41		
Dichlorobromomethane	5 days	12		
Dichloromethane	14 days	33		

Analytical Testing				
Column A Test	Column B Required Turnaround Time	Column C Total Samples Annually	Column D Unit Price	UNIT PRICE EXTENSION (Column C x Column D)
Dieldrin	14 days	8		
Diethyl phthalate	14 days	8		
Diethyl phthalate	5 days	12		
Dimethyl phthalate	14 days	8		
Dimethyl phthalate	5 days	12		
Di-n-butyl phthalate	14 days	8		
Di-n-butyl phthalate	5 days	12		
Di-n-octyl phthalate	14 days	8		
Di-n-octyl phthalate	5 days	12		
Dissolved phosphorus	7 days	10		
Endosulfan sulfate	14 days	8		
Endrin	14 days	8		
Endrin aldehyde	14 days	8		
Ethylbenezene	14 days	41		
Ethylbenezene	5 days	12		
Fecal Coliform	1 days	802		
Fecal Coliform	7 days	10		
Fecal Enterococci	5 days	12		
Fecal Streptococci	5 days	12		
Field pH	14 days	108		
Field pH	5 days	12		
Field pH	7 days	20		
Flow (GPD)	14 days	108		
Flow (GPD)	5 days	12		
Flow (GPD)	7 days	20		
Fluoranthene	5 days	12		
Fluoranthene	14 days	16		
Fluorene	14 days	8		
Fluorene	5 days	12		
Gamma-BHC	14 days	8		
Hardness (as CaCO3)	7 days	10		
Heptachlor	14 days	8		
Heptachlor epoxide	14 days	8		
Hexachlorobenzene	14 days	8		
Hexachlorobenzene	5 days	12		
Hexachlorobenzene	7 days	2		
Hexachlorobutadiene	14 days	8		
Hexachlorobutadiene	5 days	12		
Hexachlorobutadiene	7 days	2		
Hexachlorocyclopentadiene	14 days	8		
Hexachlorocyclopentadiene	5 days	12		

Analytical Testing				
Column A Test	Column B Required Turnaround Time	Column C Total Samples Annually	Column D Unit Price	UNIT PRICE EXTENSION (Column C x Column D)
Hexachloroethane	14 days	8		
Hexachloroethane	5 days	12		
Hexachloroethane	7 days	2		
Indeno (1,2,3-cd)pyrene	14 days	8		
Indeno (1,2,3-cd)pyrene	5 days	12		
Iodomethane	14 days	33		
Isophorone	14 days	8		
Isophorone	5 days	12		
Lead	7 days	2		
Lead compounds	14 days	41		
Lead, Total	14 days	8		
Mercury	14 days	12		
Mercury	7 days	2		
Mercury, Total (Low Level)	14 days	8		
Methyl bromide	14 days	41		
Methyl bromide	5 days	12		
Methyl chloride	14 days	41		
Methyl chloride	5 days	12		
Methyl ethyl ketone	14 days	33		
Methyl Ethyl Ketone	7 days	2		
Methyl isobutyl ketone	14 days	33		
Methylene bromide	14 days	33		
Methylene chloride	14 days	8		
Methylene chloride	5 days	12		
Molybdenum	14 days	12		
Naphthalene	14 days	8		
Naphthalene	5 days	12		
n-Decane	5 days	12		
n-Decane	14 days	8		
Nickel	14 days	12		
Nickel, Total	14 days	41		
Nitrobenzene	14 days	8		
Nitrobenzene	5 days	12		
Nitrobenzene	7 days	2		
N-nitrosodimethylamine	14 days	8		
N-Nitrosodimethylamine	5 days	12		
N-nitrosodi-n-propylamine	14 days	8		
N-Nitrosodi-n-propylamine	5 days	12		
N-nitrosodiphenylamine	14 days	8		
N-Nitrosodiphenylamine	5 days	12		
n-Octadecane	5 days	12		

Analytical Testing				
Column A Test	Column B Required Turnaround Time	Column C Total Samples Annually	Column D Unit Price	UNIT PRICE EXTENSION (Column C x Column D)
n-Octadecane	14 days	8		
Non-Polar Material (SGT-HEM)	14 days	12		
o-Cresol	14 days	8		
o-Cresol (2-methylphenol)	5 days	12		
Oil and Grease	14 days	43		
Oil and Grease	7 days	10		
Oil and Grease	5 days	24		
Paint Filter Test	14 days	2		
PCB-1016	14 days	8		
PCB-1221	14 days	8		
PCB-1232	14 days	8		
PCB-1242	14 days	8		
PCB-1248	14 days	8		
PCB-1254	14 days	8		
PCB-1260	14 days	8		
PCB's-TOTAL	14 days	8		
p-chloro-m-cresol	14 days	8		
p-Chloro-m-cresol	5 days	12		
p-Cresol	14 days	12		
p-Cresol (4-methylphenol)	5 days	12		
Pentachlorophenol	14 days	8		
Pentachlorophenol	5 days	12		
Pentachlorophenol	7 days	2		
*Per-and Polyfluoroalkyl Substances (PFAS)	14 days	TBD		
pH	7 days	2190		
Phenanthrene	14 days	8		
Phenanthrene	5 days	12		
Phenol	14 days	12		
Phenol	5 days	12		
Phenol Total	14 days	22		
Polychlorinated Biphenyls	7 days	2		
Priority Pollutant Scan MS4 (Appendix G)	7 days	10		
Pyrene	14 days	8		
Pyrene	5 days	12		
Pyridine	7 days	2		
Selenium	7 days	2		
Selenium	14 days	12		
Selenium, Total	14 days	41		
Silver	14 days	12		
Silver	7 days	2		
Sliver, Total (as Ag)	14 days	41		

Analytical Testing				
Column A Test	Column B Required Turnaround Time	Column C Total Samples Annually	Column D Unit Price	UNIT PRICE EXTENSION (Column C x Column D)
Styrene	14 days	33		
Sulfate	14 days	33		
Sulfate	7 days	10		
Tetrachloroethylene	14 days	41		
Tetrachloroethylene	5 days	12		
Tetrachloroethylene	7 days	2		
Thallium, Total (as TI)	14 days	41		
Tin	14 days	8		
Toluene	14 days	41		
Toluene	5 days	12		
Total Arsenic	14 days	124		
Total Arsenic	5 days	12		
Total Cadmium	14 days	124		
Total Cadmium	7 days	10		
Total Cadmium	5 days	12		
Total Chromium	14 days	22		
Total Chromium	5 days	12		
Total Cobalt	14 days	8		
Total Copper	14 days	130		
Total Copper	7 days	10		
Total Copper	5 days	12		
Total Cyanide	14 days	102		
Total Dissolved Solids	7 days	10		
Total Kjeldahl Nitrogen	7 days	10		
Total Lead	14 days	126		
Total Lead	7 days	10		
Total Lead	5 days	12		
Total Mercury (0.0005 ug/ml)	14 days	124		
Total Mercury (0.0005 ug/ml)	7 days	10		
Total Mercury 0.0005 ug/ml	5 days	12		
Total Molybdenum	14 days	102		
Total Nickel	14 days	124		
Total Nickel	7 days	10		
Total Nickel	5 days	12		
Total Nitrogen (As N)	7 days	10		
Total Nitrogen (As N)	5 days	8		
Total Organic Carbon	14 days	46		
Total Organic Carbon	5 days	24		
Total PCBs	7 days	10		
Total Phosphorus (As P)	7 days	10		
Total Phosphorus (As P)	5 days	8		

Analytical Testing				
Column A Test	Column B Required Turnaround Time	Column C Total Samples Annually	Column D Unit Price	UNIT PRICE EXTENSION (Column C x Column D)
Total Residual Chlorine	1 day	2190		
Total Selenium	14 days	102		
Total Silver	14 days	126		
Total Silver	5 days	12		
Total Solids	7 days	2190		
Total Suspended Solids	14 days	108		
Total Suspended Solids	7 days	10		
Total Suspended Solids	1 day	2222		
Total Toxic Organics (TTO) (Appendix H)	14 days	2		
Total Toxic Organics (TTO) (Appendix H)	5 days	12		
Total Zinc	14 days	130		
Total Zinc	7 days	10		
Total Zinc	5 days	12		
Toxaphene	14 days	8		
trans-1,2-Dichloroethene	14 days	33		
trans-1,3-Dichloropropene	14 days	33		
trans-1,4-Dichlorobutene-2	14 days	33		
Trichloroethylene	14 days	41		
Trichloroethylene	5 days	12		
Trichloroethylene	7 days	2		
Trichlorofluoromethane	14 days	33		
Vanadium, Total (as V)	14 days	33		
Vinyl acetate	14 days	33		
Vinyl chloride	14 days	41		
Vinyl chloride	5 days	12		
Vinyl Chloride	7 days	2		
Vinylidene chloride	14 days	33		
Volatile Solids	7 days	2190		
Xylene (mixed isomers)	14 days	33		
Zinc	14 days	12		
Zinc, total (as Zn)	14 days	45		
			Analytical Total	

* Per-and Polyfluoroalkyl Substances (PFAS) are currently not required under the existing LPDES Permits. Sampling for PFAS will likely be required in future LPDES Permits that will be issued during the term of this contract and is therefore being included.

Other Services (Weekend and Holiday Pickup from Treatment Plants)			
Column A Description	**Column B Quantity, Each***	**Column C Unit Price**	**Unit Price Extension (Column B x Column C)**
NWWTP Samples (50 Woodpecker St., Baton Rouge, LA 70807)	114		
SWWTP Samples (2850 Gardere Ln., Baton Rouge, LA 70820)	114		
Other Services Weekends/Holiday Pickups Subtotal			

Other Services (Weekday Pickup from Treatment Plants)			
Column A Description	**Column B Quantity, Each***	**Column C Unit Price**	**Unit Price Extension (Column B x Column C)**
NWWTP Samples (50 Woodpecker St., Baton Rouge, LA 70807)	251		
SWWTP Samples (2850 Gardere Ln., Baton Rouge, LA 70820)	251		
Other Services (As Needed Weekday Pickup from Environmental Division)			
Column A Description	**Column B Quantity, Each***	**Column C Unit Price**	**Unit Price Extension (Column B x Column C)**
Environmental Division Samples (Either current location: 345 Chippewa St., Baton Rouge, LA 70805 or further location 12422 Florida Blvd., Baton Rouge, LA 70806 or to the sampling contractor as directed by City Parish)	65		
Other Services Weekday Pickups Subtotal			
Sum of Totals (Analytical Total + Other Services Subtotals)			

*Number of pickups are estimated in Column B could vary depending on situations.

NOTE: This financial proposal shall include any and all costs the Proposer wishes to have considered in the contractual arrangement with the City-Parish. The Total Proposal amount listed above should reflect the total of the prices in Table 1.

All supplemental information requested is enclosed or presented in a separate sealed box or envelope.

_____
(SIGNATURE)

_____
(Typed Name and Title)

THE ATTACHED PROPOSER'S ORGANIZATION SHEET MUST BE COMPLETED TO INDICATE WHETHER PROPOSER IS AN INDIVIDUAL, PARTNERSHIP, ETC.

ATTACHMENT C
INSURANCE REQUIREMENTS
CITY OF BATON ROUGE
PARISH OF EAST BATON ROUGE

PROPOSER'S AND SUB-CONTRACTOR'S INSURANCE: Proposer and any sub-contractor shall carry and maintain, at Proposer's expense at least the minimum insurance as specified below throughout the duration of this contract until completion and acceptance of the work covered by this contract. Proposer shall not commence work under this contract until certificates of insurance have been approved by the City-Parish Purchasing Division. Insurance companies listed on certificates must have industry rating of A-, Class VI or higher, according to Best's Key Rating Guide. Proposer is responsible for assuring that its sub-contractors meet these insurance requirements.

A.	Commercial General Liability	General Aggregate Each Occurrence	$2,000,000 $1,000,000
B.	Business Auto Policy Any Auto; or Owned, Non-Owned, & Hired:	Combined Single Limit	$1,000,000

(1) Standard Workers Compensation - Full statutory liability for State of Louisiana with Employer's Liability Coverage.

The City of Baton Rouge, Parish of East Baton Rouge must be named as additional insured on all general liability policies described above.

Professional Liability coverage for errors and omissions is not required, but Parish shall have the benefit of any such insurance carried by Proposer.

Certificates must provide for thirty (30) days written notice to Certificate Holder prior to cancellation or change.

The Certificate Holder should be shown as:

City of Baton Rouge, Parish of East Baton Rouge
Attn: Purchasing Division
P.O. Box 1471
Baton Rouge, LA 70821

NOTE TO PROPOSERS:

(1) Submit evidence of these Insurance Requirements with all required information set forth in the solicitation documents as your proposal.
(2) Retain the complete set of Specifications and Contract Documents and a copy of the Insurance Forms for your files.

ATTACHMENT D
SAMPLE CONRACT
Analytical Laboratory Services for Regulatory Compliance Sampling
CITY OF BATON ROUGE
PARISH OF EAST BATON ROUGE

This Agreement entered into effective the ___day of _____, 2021 by and between the **City of Baton Rouge and Parish of East Baton Rouge**, hereinafter referred to as "City-Parish" on behalf of the Department of Environmental Services, and **Successful Proposer**, hereinafter referred to as "Service Provider".

Article I: Term

This contract shall commence upon the issuance of a Notice to Proceed by the Department and shall continue through December 31, 2022. This contract will have the option of four annual renewals for calendar years 2023, 2024, 2025 and 2026. Extension of the contract into subsequent time periods shall be made by letter on or before the expiration of the contract and is only possible if all prices and conditions remain the same upon mutual agreement of both parties.

Article II: Scope of Services

The City-Parish hereby engages the services of Service Provider, with said services to be rendered to the Department of Environmental Services herein referred to as the "Department" as defined per Attachment "A", attached and made a part of this agreement as authorized by Metropolitan Council resolution ##### / EBROSCO resolution #### dated November ##, 2021.

Article III: Status of Service Provider

Service Provider is serving as an independent contractor in providing the necessary services and neither the City-Parish nor any of its agents nor assigns shall have responsibility for any acts or omissions of Service Provider, its employees, agents or subcontractors. The Agreement shall not be construed as an employment contract and neither Service Provider nor any employees, agents or subcontractors of Service Provider shall receive benefits afforded by provisions or regulations governing classified or unclassified personnel for the City-Parish and the Service Provider's representative by signature hereto expressly waives and relinquishes any such rights.

Article IV: Conflict of Interest and Louisiana Code of Ethics

In accordance with Louisiana law (La. Rev. Stat. Title 42, Chapter 15), all vendors and service providers to the City-Parish are required to adhere to the ethics standards for public employees (public employee defined at https://www.legis.la.gov/legis/Law.aspx?d=99214). As such, third party vendors and service providers shall be responsible for determining and ensuring that there will be no conflict or violation of the Louisiana Ethics Code if their company is awarded a contract with the City-Parish. In addition, third party vendors and service providers are responsible for adhering to the Louisiana Code of Governmental Ethics throughout the duration of this contract, to include any additional amendments and/or extensions or renewals. Care must be exercised to avoid impropriety.

The Louisiana Board of Ethics is the ***only*** entity which can officially rule on ethics issues. A link to the Guide for Governmental Ethics can be found at: http://ethics.la.gov/Pub/Laws/ethsum.pdf. The Louisiana Board of Ethics website is http://ethics.la.gov/.

Article V: Insurance

Service Provider shall carry and maintain at all times during the performance of this contract, insurance coverage with limits of not less than $1,000,000. A certificate of insurance evidencing the required coverage as noted in Attachment "#" shall be provided prior to final execution of the contract and commencement of work.

Article VI: Indemnification

Service Provider shall indemnify, defend, and hold harmless the City-Parish from any and all losses, damages, expenses or other liabilities, including but not limited to punitive and/or exemplary damages connected with any claim for personal injury, death, property damage or other liability that may be asserted against the City-Parish, its officials, employees or agents, by any party which arises from or allegedly arising from the performing its obligations under this agreement.

Service Provider, its agents, employees and insurer(s) hereby release the City-Parish its agents and assigns from any and all liability or responsibility including anyone claiming through or under them by way or subrogation or otherwise for any loss or damage which Service Provider, its agents or insurers may sustain incidental to or in any way related to Service Provider's operation under this Agreement.

Article VII: Cybersecurity Prerequisites

Service Provider, including all principals and employees who require access to City-Parish information technology assets, shall complete the cybersecurity training required by La. R.S. 42:1267 and furnish the City-Parish proof of said completion prior to being granted access to said assets.

Article VIII: Compensation

The City-Parish shall pay and Service Provider agrees to accept the unit prices in Attachment B as full compensation for the professional services to be performed under this contract. The contract amounts shall not exceed $340,000 annually.

This compensation shall be payable within thirty (30) days after submission and approval of monthly invoices in the Department invoice portal with appropriate documentation.

Article IX: Inspection of Books and Records

The Service Provider shall permit the authorized representative of the City-Parish to periodically inspect and audit all data and records of the Service Provider relating to performance under this Agreement for the purpose of audit, examination, excerpts, and transcriptions.

Article X: Record Retention

The Service Provider must retain all financial records, supporting documents, statistical records, and all other records pertinent to the grant award for at least 3 years.

Article XI: Complete Agreement

This is the complete agreement between the parties and supersedes all prior discussions and negotiations. Neither party shall rely on any statement or representations made by the other party not embodied in this agreement. This agreement shall become effective upon final signature by all parties.

Article XII: Contract Modifications

No amendment or change to the terms of this agreement shall be valid unless made in writing, signed by the parties and approved as required by law. In the event of an inconsistency between this Professional Service Agreement and any Attachments or Exhibits, unless otherwise provided herein, the inconsistency shall be resolved by giving precedence first to this Professional Service Agreement.

Article XIII: Termination for Convenience

The City-Parish may terminate this agreement at any time by giving thirty (30) days written notice to consultant of such termination or negotiating with the contractor an effective date. In the event of early termination of this Agreement, City-Parish shall pay all costs accrued by Service Provider as of the date of termination, including all non-cancelable obligations and all non-cancelable contracts. Service Provider shall deliver all completed deliverables to the City-Parish granting party at the time of termination.

Article XIV: Termination for Cause

The City-Parish may terminate this agreement for caused based upon the failure of the Service Provider to comply with the terms and/or conditions of the agreement provided that written notice specifying the failure shall be given. Service Provider shall have thirty (30) days to correct such failure or, begin a good faith effort to correct the failure and thereafter proceed diligently to complete such correction. If such efforts are not made as defined herein, the City-Parish, may at its option, place the Service Provider in default and the agreement shall terminate on the date specified in such notice.

The Service Provider may exercise any rights available to it under Louisiana law to terminate for cause upon the failure of the City-Parish to comply with the terms and conditions of the agreement, provided that the Service Provider shall give the City-Parish written notice specifying the City-Parish's failure and a reasonable opportunity for the City-Parish to correct the failure. Should the Service Provider be determined to be in "default" under the terms, conditions and deliverables outlined in this contract, then all costs occurred will be subject to adjustment based on the remaining scope of services. In the event of contract termination, all relevant documents and work product shall be considered the property of the City-Parish and returned to the City-Parish.

Article XV: Assignment and Subcontracting

This agreement is not assignable by the Service Provider without the City-Parish's written consent, which it may withhold at its sole discretion, and any unapproved assignment will be invalid and ineffective. The Service Provider may not subcontract any of its responsibilities under this Agreement to another person without the City-Parish's prior approval.

Article XVI: Governing Law and Venue

This agreement shall be governed by and interpreted in accordance with the laws of the State of Louisiana. Venue of any action brought with regard to this Agreement shall be in the Nineteenth Judicial District court, parish of East Baton Rouge, State of Louisiana.

Article XVII: Federal Clauses

Attachment "#" contains federal clauses that were included in the RFP for this contract. There federal clauses are mandatory if Federal Funds are utilized. On this particular contract, the most common instance where federal funding would be used is in response to a declared disaster where FEMA reimbursement is requested for damages to the odor control equipment. By signing this contract, the Service Provider acknowledges the use of and agrees to comply with these federal clauses if this contract is used in response to a declared disaster.

In witness whereof, the parties hereto have executed this Agreement effective as of the date first written above.

WITNESSES

_____

City of Baton Rouge and Parish of East Baton Rouge

By: _____

Sharon Weston Broome
Mayor-President

Date: _____

Successful Proposer

_____

By: _____

Date: _____

Approved:

_____
Richard Speer, PE
Environmental Services Director

Approved:

_____
Kelvin J. Hill, Assistant CAO
Office of the Mayor-President

Approved as to form:

_____
Office of the Parish Attorney

ATTACHMENT E
PERMITS AND LOCATIONS OF SAMPLING SITES

CITY OF BATON ROUGE
PARISH OF EAST BATON ROUGE

PERMIT #	FACILITY NAME	ADDRESS
MAJOR WASTEWATER TREATMENT PLANTS		
LA0036412	South Wastewater Treatment Plant	2850 Gardere Lane Baton Rouge, LA 70820
LA0036439	North Wastewater Treatment Plant	50 Woodpecker Street Baton Rouge, LA 70807
SATELLITE WASTEWATER PACKAGE PLANTS		
LAG530178	Chaneyville Community Center	13211 Jackson Road Zachary, LA 70791
LAG570139	Shadow Oaks Subdivision	2100 Jon Michelle Drive Baton Rouge, LA 70815
LAG540279	Lake Jolie Vue	Treakle Drive Zachary, LA 70791
LAG530179	Pleasant Park Subdivision	2300 Pony Street Zachary, LA 70791
NORTH LANDFILL		
LA0086169	North Landfill	16001 Samuels Road Zachary, LA 70791

ATTACHMENT F
ANALYTICAL SCHEDULE
CITY OF BATON ROUGE
PARISH OF EAST BATON ROUGE

Test	Frequency	Total Per Event	Required Turnaround Time
Major Wastewater Treatment Plants (LPDES)			
Water Samples			
Biochemical Oxygen Demand	Daily	6	6 days
Total Suspended Solids	Daily	6	1 day
Fecal Coliform	Daily	2	1 day
Toxicity - Daphnia Pulex	Quarterly (4x/Year)	2	7 days
Toxicity - Pimephales promelas	Quarterly (4x/Year)	2	7 days
Total Phosphorus (As P)	Quarterly (4x/Year)	2	5 days
Total Nitrogen (As N)	Quarterly (4x/Year)	2	5 days
Biomonitoring, Coefficient of Variation, 48-Hour Acute, Daphnia pulex	Quarterly (4x/Year)	2	14 days
Biomonitoring, Coefficient of Variation, 48-Hour Acute, Pimephales promelas	Quarterly (4x/Year)	2	14 days
Biomonitoring, Low Flow Pass/Fail Static Renewal, 48-Hour Acute, Daphnia pulex	Quarterly (4x/Year)	2	14 days
Biomonitoring, Low Flow Pass/Fail Static Renewal, 48-Hour Acute, Pimephales promelas	Quarterly (4x/Year)	2	14 days
Biomonitoring, NOEC Lethality Static Renewal, 48-Hour Acute, Daphnia pulex	Quarterly (4x/Year)	2	14 days
Biomonitoring, NOEC Lethality Static Renewal, 48-Hour Acute, Pimephales promelas	Quarterly (4x/Year)	2	14 days
Total Cyanide	Biannually (2x/Year)	4	14 days
Fluoride	Biannually (2x/Year)	2	14 days
Nitrate-N	Biannually (2x/Year)	2	14 days
Antimony	Biannually (2x/Year)	4	14 days
Arsenic	Biannually (2x/Year)	4	14 days
Barium	Biannually (2x/Year)	2	14 days
Beryllium	Biannually (2x/Year)	4	14 days
Cadmium	Biannually (2x/Year)	4	14 days
Chromium	Biannually (2x/Year)	4	14 days
Chromium III	Biannually (2x/Year)	4	14 days
Copper	Biannually (2x/Year)	4	14 days
Lead	Biannually (2x/Year)	4	14 days
Mercury	Biannually (2x/Year)	4	14 days
Molybdenum	Biannually (2x/Year)	4	14 days

Nickel	Biannually (2x/Year)	4	14 days
Selenium	Biannually (2x/Year)	4	14 days
Silver	Biannually (2x/Year)	4	14 days
Thallium	Biannually (2x/Year)	4	14 days
Zinc	Biannually (2x/Year)	4	14 days
Chromium VI	Biannually (2x/Year)	4	14 days
Total Phenols	Biannually (2x/Year)	4	14 days
Volatile Organics (See Appendix I – CWA Methods for list)	Biannually (2x/Year)	4	14 days
Base/Neutrals and Acids (See Appendix I – CWA Methods for list)	Biannually (2x/Year)	4	14 days
Dioxins (2,3,7,8-TCDD)	Biannually (2x/Year)	4	14 days
Pesticides (See Appendix I – CWA Methods for list)	Biannually (2x/Year)	4	14 days
Polychlorinated Biphenyls	Biannually (2x/Year)	4	14 days
Sludge Samples All sludge samples should follow SW-846 Methods			
Total Solids	Daily	6	1 day
Volatile Solids	Daily	6	1 day
TCLP			
2-Methylphenol	Annually (1x/Year)	2	7 days
3-Methylphenol	Annually (1x/Year)	2	7 days
4-Methylphenol	Annually (1x/Year)	2	7 days
Pentachlorophenol	Annually (1x/Year)	2	7 days
2,4,5-Trichlorophenol	Annually (1x/Year)	2	7 days
2,4,6-Trichlorophenol	Annually (1x/Year)	2	7 days
1,4-Dichlorobenzene	Annually (1x/Year)	2	7 days
2,4-Dinitrotoluene	Annually (1x/Year)	2	7 days
Hexachlorobenzene	Annually (1x/Year)	2	7 days
Hexachlorobutadiene	Annually (1x/Year)	2	7 days
Hexachloroethane	Annually (1x/Year)	2	7 days
Nitrobenzene	Annually (1x/Year)	2	7 days
Pyridine	Annually (1x/Year)	2	7 days
Benzene	Annually (1x/Year)	2	7 days
Carbon Tetrachloride	Annually (1x/Year)	2	7 days
Chlorobenzene	Annually (1x/Year)	2	7 days
Chloroform	Annually (1x/Year)	2	7 days
1,2-Dichloroethane	Annually (1x/Year)	2	7 days
1,1-Dichloroethylene	Annually (1x/Year)	2	7 days
Methyl Ethyl Ketone	Annually (1x/Year)	2	7 days
Tetrachloroethylene	Annually (1x/Year)	2	7 days
Trichloroethylene	Annually (1x/Year)	2	7 days
Vinyl Chloride	Annually (1x/Year)	2	7 days
Arsenic	Annually (1x/Year)	2	7 days
Barium	Annually (1x/Year)	2	7 days

Cadmium	Annually (1x/Year)	2	7 days
Chromium	Annually (1x/Year)	2	7 days
Lead	Annually (1x/Year)	2	7 days
Mercury	Annually (1x/Year)	2	7 days
Selenium	Annually (1x/Year)	2	7 days
Silver	Annually (1x/Year)	2	7 days
Aroclor 1016	Annually (1x/Year)	2	7 days
Aroclor 1221	Annually (1x/Year)	2	7 days
Aroclor 1232	Annually (1x/Year)	2	7 days
Aroclor 1242	Annually (1x/Year)	2	7 days
Aroclor 1248	Annually (1x/Year)	2	7 days
Aroclor 1254	Annually (1x/Year)	2	7 days
Aroclor 1260	Annually (1x/Year)	2	7 days
Aroclor 1016	Annually (1x/Year)	2	7 days
Chlordane	Annually (1x/Year)	2	7 days
Endrin	Annually (1x/Year)	2	7 days
Gamma-BHC	Annually (1x/Year)	2	7 days
Heptachlor	Annually (1x/Year)	2	7 days
Heptachlor epoxide	Annually (1x/Year)	2	7 days
Methoxychlor	Annually (1x/Year)	2	7 days
Toxaphene	Annually (1x/Year)	2	7 days
2,4-D	Annually (1x/Year)	2	7 days
2,4,5-TP (Silvex)	Annually (1x/Year)	2	7 days
Paint Filter Test	Annually (1x/Year)	2	7 days
Polychlorinated Biphenyls	Annually (1x/Year)	2	7 days
Total Metals			
Arsenic	Bi-monthly (6x/Year)	2	14 days
Cadmium	Bi-monthly (6x/Year)	2	14 days
Chromium	Bi-monthly (6x/Year)	2	14 days
Copper	Bi-monthly (6x/Year)	2	14 days
Lead	Bi-monthly (6x/Year)	2	14 days
Mercury	Bi-monthly (6x/Year)	2	14 days
Molybdenum	Bi-monthly (6x/Year)	2	14 days
Nickel	Bi-monthly (6x/Year)	2	14 days
Selenium	Bi-monthly (6x/Year)	2	14 days
Silver	Bi-monthly (6x/Year)	2	14 days
Zinc	Bi-monthly (6x/Year)	2	14 days
Satellite Wastewater Treatment Package Plants (LPDES)			
Biochemical Oxygen Demand	Monthly (12x/Year)	1	6 days
Total Suspended Solids	Monthly (12x/Year)	1	1 day

Fecal Coliform	Monthly (12x/Year)	1	1 day
Biochemical Oxygen Demand	Quarterly (4x/Year)	1	6 days
Total Suspended Solids	Quarterly (4x/Year)	1	1 day
Fecal Coliform	Quarterly (4x/Year)	1	1 day
Biochemical Oxygen Demand	Biannually (2x/Year)	2	6 days
Total Suspended Solids	Biannually (2x/Year)	2	1 day
Fecal Coliform	Biannually (2x/Year)	2	1 day
Industrial Pretreatment Program - Significant Industrial Users			
2,4,6-Trichlorophenol	-	8	14 days
Acid Extractable	-	4	14 days
Total Arsenic	-	22	14 days
Base Neutral	-	4	14 days
Biochemical Oxygen Demand	-	28	14 days
Bis(2-ethylhexyl)phthalate	-	8	14 days
Total Cadmium	-	22	14 days
Carbazole	-	8	14 days
Chemical Oxygen Demand	-	26	14 days
Total Chromium	-	22	14 days
Total Cobalt	-	8	14 days
Total Copper	-	28	14 days
Cyanide Total	-	22	14 days
Fluoranthene	-	8	14 days
Total Lead	-	24	14 days
Total Mercury 0.0005 ug/ml	-	22	14 days
n-Decane	-	8	14 days
Total Nickel	-	22	14 days
n-Octadecane	-	8	14 days
Non-Polar Material (SGT-HEM)	-	12	14 days
o-Cresol	-	8	14 days
Oil and Grease	-	28	14 days
p-Cresol	-	8	14 days
Phenol Total	-	14	14 days
Total Silver	-	24	14 days
Tin	-	8	14 days
Total Organic Carbon	-	26	14 days
Total Suspended Solids	-	28	14 days
Total Toxic Organics	-	2	14 days
Volatiles	-	4	14 days
Total Zinc	-	28	14 days
Industrial Pretreatment Program - Illegal			

Dumping Investigation			
Total Organic Carbon	-	12	5 days
Oil and Grease	-	12	5 days
Total Toxic Organics (TTO) (Appendix H)			5 days
Acrolein	-	12	5 days
Acrylonitrile	-	12	5 days
Benzene	-	12	5 days
Bromoform	-	12	5 days
Carbon tetrachloride	-	12	5 days
Chlorobenzene	-	12	5 days
Chlorodibromomethane	-	12	5 days
Chloroethane	-	12	5 days
2-Chloroethyl vinyl ether	-	12	5 days
Chloroform	-	12	5 days
Dichlorobromomethane	-	12	5 days
1,1-Dichloroethane	-	12	5 days
1,2-Dichloroethane	-	12	5 days
1,1-Dichloroethylene	-	12	5 days
1,2-Dichloropropane	-	12	5 days
1,3-Dichloropropylene	-	12	5 days
Ethylbenezene	-	12	5 days
Methyl bromide	-	12	5 days
Methyl chloride	-	12	5 days
Methylene chloride	-	12	5 days
1,1,2,2-Tetrachloroethane	-	12	5 days
Tetrachloroethylene	-	12	5 days
Toluene	-	12	5 days
1,2-trans-Dichloroethylene	-	12	5 days
1,1,1-Trichloroethane	-	12	5 days
1,1,2-Trichloroethane	-	12	5 days
Trichloroethylene	-	12	5 days
Vinyl chloride	-	12	5 days
2-Chlorophenol	-	12	5 days
o-Cresol (2-methylphenol)	-	12	5 days
p-Cresol (4-methylphenol)	-	12	5 days
2,4-Dichlorophenol	-	12	5 days
2,4-Dimethylphenol	-	12	5 days
4,6-Dinitro-o-cresol	-	12	5 days
2,4-Dinitrophenol	-	12	5 days
2-Nitrophenol	-	12	5 days
4-Nitrophenol	-	12	5 days
p-Chloro-m-cresol	-	12	5 days
Pentachlorophenol	-	12	5 days
Phenol	-	12	5 days
2,4,6-Trichlorophenol	-	12	5 days

Acenaphthene	-	12	5 days
Acenaphthylene	-	12	5 days
Anthracene	-	12	5 days
Benzidine	-	12	5 days
Benzo(a)anthracene	-	12	5 days
Benzo(a)pyrene	-	12	5 days
3,4-Benzofluoranthene	-	12	5 days
Benzo(ghi)perylene	-	12	5 days
Benzo(k)fluoranthene	-	12	5 days
Bis(2-chloroethoxy)methane	-	12	5 days
Bis(2-chloroethyl)ether	-	12	5 days
Bis(2-chloroisopropyl)ether	-	12	5 days
Bis(2-ethylhexyl)phthalate	-	12	5 days
4-Bromophenyl phenyl ether	-	12	5 days
Butylbenzyl phthalate	-	12	5 days
Carbazole	-	12	5 days
2-Chloronaphthalene	-	12	5 days
4-Chlorophenyl phenyl ether	-	12	5 days
Chrysene	-	12	5 days
n-Decane	-	12	5 days
Dibenzo(a,h)anthracene	-	12	5 days
1,2-Dichlorobenzene	-	12	5 days
1,3-Dichlorobenzene	-	12	5 days
1,4-Dichlorobenzene	-	12	5 days
3,3'-Dichlorobenzidine	-	12	5 days
Diethyl phthalate	-	12	5 days
Dimethyl phthalate	-	12	5 days
Di-n-butyl phthalate	-	12	5 days
2,4-dinitrotoluene	-	12	5 days
2,6-dinitrotoluene	-	12	5 days
Di-n-octyl phthalate	-	12	5 days
1,2-Diphenylhydrazine (as azobenzene)	-	12	5 days
Fluoranthene	-	12	5 days
Fluorene	-	12	5 days
Hexachlorobenzene	-	12	5 days
Hexachlorobutadiene	-	12	5 days
Hexachlorocyclopentadiene	-	12	5 days
Hexachloroethane	-	12	5 days
Indeno (1,2,3-cd)pyrene	-	12	5 days
Isophorone	-	12	5 days
Naphthalene	-	12	5 days
Nitrobenzene	-	12	5 days
N-Nitrosodimethylamine	-	12	5 days
N-Nitrosodi-n-propylamine	-	12	5 days
N-Nitrosodiphenylamine	-	12	5 days

n-Octadecane	-	12	5 days
Phenanthrene	-	12	5 days
Pyrene	-	12	5 days
1,2,4-Trichlorobenzene	-	12	5 days
Total Arsenic	-	12	5 days
Total Cadmium	-	12	5 days
Total Chromium	-	12	5 days
Biochemical Oxygen Demand	-	12	5 days
Chemical Oxygen Demand	-	12	5 days
Oil and Grease	-	12	5 days
Total Organic Carbon	-	12	5 days
Total Suspended Solids	-	12	5 days
Cyanide Total	-	12	5 days
Total Zinc	-	12	5 days
Total Nickel	-	12	5 days
Total Silver	-	12	5 days
Total Copper	-	12	5 days
Total Lead	-	12	5 days
Total Mercury 0.0005 ug/ml	-	12	5 days
North Landfill Groundwater Monitoring	*All groundwater monitoring should follow SW-846 Methods*		
1,1,1,2-Tetrachloroethane	Triannually (3x/Year)	11	14 days
1,1,1-Trichloroethane	Triannually (3x/Year)	11	14 days
1,1,2,2-Tetrachloroethane	Triannually (3x/Year)	11	14 days
1,1,2-Trichloloethane	Triannually (3x/Year)	11	14 days
1,1-Dichloroethane	Triannually (3x/Year)	11	14 days
1,2,3-Trichloropropane	Triannually (3x/Year)	11	14 days
1,2-Dibromo-3-chloropropane	Triannually (3x/Year)	11	14 days
1,2-Dibromethane (1,2-DibromOethane)	Triannually (3x/Year)	11	14 days
1,2-Dichlorobenzene	Triannually (3x/Year)	11	14 days
1,2-Dichloroethane	Triannually (3x/Year)	11	14 days
1,2-Dichloropropane	Triannually (3x/Year)	11	14 days
1,4.Dichlorobenzene	Triannually (3x/Year)	11	14 days
2·Hexanone	Triannually (3x/Year)	11	14 days
Acetone	Triannually (3x/Year)	11	14 days
Acrylonitrile	Triannually (3x/Year)	11	14 days
Antimony (and compounds)	Triannually (3x/Year)	11	14 days
Arsenic (and compounds)	Triannually (3x/Year)	11	14 days
Barium (and compounds)	Triannually (3x/Year)	11	14 days
Benzene	Triannually (3x/Year)	11	14 days
Beryllium, Total (as Be)	Triannually (3x/Year)	11	14 days
Bromoform	Triannually (3x/Year)	11	14 days
Cadmium (and compounds)	Triannually (3x/Year)	11	14 days
Carbon disulfide	Triannually (3x/Year)	11	14 days
Carbon tetrachloride	Triannually (3x/Year)	11	14 days

Chlorobenzene	Triannually (3x/Year)	11	14 days
Chlorobromomethane (Bromochloromethane)	Triannually (3x/Year)	11	14 days
Chlorodibromomethane	Triannually (3x/Year)	11	14 days
Chloroethane	Triannually (3x/Year)	11	14 days
Chloroform	Triannually (3x/Year)	11	14 days
Chromium, Total (as Cr)	Triannually (3x/Year)	11	14 days
Cobalt Compounds	Triannually (3x/Year)	11	14 days
Copper, Total (as Cu)	Triannually (3x/Year)	11	14 days
Dichlorobromomethane	Triannually (3x/Year)	11	14 days
Dichloromethane	Triannually (3x/Year)	11	14 days
Iodomethane	Triannually (3x/Year)	11	14 days
Lead compounds	Triannually (3x/Year)	11	14 days
Methyl bromide	Triannually (3x/Year)	11	14 days
Methyl chloride	Triannually (3x/Year)	11	14 days
Methyl ethyl ketone	Triannually (3x/Year)	11	14 days
Methyl isobutyl ketone	Triannually (3x/Year)	11	14 days
Methylene bromide	Triannually (3x/Year)	11	14 days
Nickel (and compounds)	Triannually (3x/Year)	11	14 days
Selenium (and compounds)	Triannually (3x/Year)	11	14 days
Sliver, Total (as Ag)	Triannually (3x/Year)	11	14 days
Styrene	Triannually (3x/Year)	11	14 days
Tetracholorethylene	Triannually (3x/Year)	11	14 days
Thallium, Total (as TI)	Triannually (3x/Year)	11	14 days
Toluene	Triannually (3x/Year)	11	14 days
Trichloroethylene	Triannually (3x/Year)	11	14 days
Trichlorofluoromethane	Triannually (3x/Year)	11	14 days
Vanadium, Total (as V)	Triannually (3x/Year)	11	14 days
Vinyl acetate	Triannually (3x/Year)	11	14 days
Vinyl chloride	Triannually (3x/Year)	11	14 days
Vinylidene chloride	Triannually (3x/Year)	11	14 days
Xylene (mixed isomers)	Triannually (3x/Year)	11	14 days
Zinc (and compounds)	Triannually (3x/Year)	11	14 days
cis 1,3-Dichloropropylene	Triannually (3x/Year)	11	14 days
cis-1,2-Dichloroethene	Triannually (3x/Year)	11	14 days
trans-1,2-Dichloroethene	Triannually (3x/Year)	11	14 days
trans-1,3-Dichloropropene	Triannually (3x/Year)	11	14 days
trans-1,4-Dichlorobutene-2	Triannually (3x/Year)	11	14 days
Ethylbenzene	Triannually (3x/Year)	11	14 days
Chloride	Triannually (3x/Year)	11	14 days
Sulfate	Triannually (3x/Year)	11	14 days
SSO Program Project			
Fecal Streptococci	Quarterly (4x/Year)	1	5 days
Fecal Enterococci	Quarterly (4x/Year)	1	5 days

North Landfill LPDES Permit Outfall 002			
Carbon, total organic	Annually (1x/Year)	1	14 days
Oil and Grease	Annually (1x/Year)	1	14 days
Total Suspended Solids (TSS)	Quarterly (4x/Year)	1	14 days
North Landfill LPDES Permit Outfall 003			
Carbon, total organic	Annually (1x/Year)	1	14 days
Oil and Grease	Annually (1x/Year)	1	14 days
Total Suspended Solids	Quarterly (4x/Year)	1	14 days
North Landfill LPDES Permit Outfall 004a			
Carbon, total organic	Monthly (12x/Year)	1	14 days
COD (high level)	Monthly (12x/Year)	1	14 days
Oil and Grease	Monthly (12x/Year)	1	14 days
Total Suspended Solids	Monthly (12x/Year)	1	14 days
North Landfill LPDES Permit Outfall 009			
Ammonia Nitrogen, Total (as N)	Monthly (12x/Year)	1	14 days
Benzoic Acid	Quarterly (4x/Year)	1	14 days
Carbon, total organic	Annually (1x/Year)	1	14 days
Oil and Grease	Annually (1x/Year)	1	14 days
p-Cresol	Quarterly (4x/Year)	1	14 days
Phenol	Quarterly (4x/Year)	1	14 days
Total Suspended Solids	Quarterly (4x/Year)	1	14 days
Zinc, Total (as Zn)	Quarterly (4x/Year)	1	14 days
North Landfill LPDES Permit Outfall 010			
Carbon, total organic	Quarterly (4x/Year)	1	14 days
Total Suspended Solids	Quarterly (4x/Year)	1	14 days
Industrial Pretreatment Program - Establishment of Local Limits - NWWTP			
Total Arsenic	Single Event 17 consecutive days	3	14 days
Total Cadmium	Single Event 17 consecutive days	3	14 days
Chromium Total	Single Event 17 consecutive days	3	14 days
Total Copper	Single Event 17 consecutive days	3	14 days
Total Cyanide	Single Event 17 consecutive days	3	14 days
Total Lead	Single Event 17 consecutive days	3	14 days
Total Nickel	Single Event 17 consecutive days	3	14 days
Total Mercury (0.0005ug/ml)	Single Event 17 consecutive days	3	14 days
Total Molybdenum	Single Event 17 consecutive days	3	14 days
Total Selenium	Single Event 17 consecutive days	3	14 days
Total Silver	Single Event 17 consecutive days	3	14 days
Total Zinc	Single Event 17 consecutive days	3	14 days
% Solids	Single Event 17 consecutive days	1	14 days

Industrial Pretreatment Program - Establishment of Local Limits - SWWTP			
Total Arsenic	Single Event 17 consecutive days	3	14 days
Total Cadmium	Single Event 17 consecutive days	3	14 days
Chromium Total	Single Event 17 consecutive days	3	14 days
Total Copper	Single Event 17 consecutive days	3	14 days
Total Cyanide	Single Event 17 consecutive days	3	14 days
Total Lead	Single Event 17 consecutive days	3	14 days
Total Nickel	Single Event 17 consecutive days	3	14 days
Total Mercury (0.0005 ug/ml)	Single Event 17 consecutive days	3	14 days
Total Molybdenum	Single Event 17 consecutive days	3	14 days
Total Selenium	Single Event 17 consecutive days	3	14 days
Total Silver	Single Event 17 consecutive days	3	14 days
Total Zinc	Single Event 17 consecutive days	3	14 days
% Solids (Sludge)	Single Event 17 consecutive days	1	14 days
Municipal Separate Storm Sewer – MS4 Major Outfalls 001-005			
Biochemical Oxygen Demand (BOD5)	Semiannually (2x/Year)	5	7 days
2,4-D	Semiannually (2x/Year)	5	7 days
Atrazine	Semiannually (2x/Year)	5	7 days
Chemical Oxygen Demand (COD)	Semiannually (2x/Year)	5	7 days
Chlorides	Semiannually (2x/Year)	5	7 days
Chlorine	Semiannually (2x/Year)	5	7 days
Color (Cobalt-Platinum Units)	Semiannually (2x/Year)	5	7 days
Dissolved Phosphorus	Semiannually (2x/Year)	5	7 days
Fecal Coliform	Semiannually (2x/Year)	5	7 days
Hardness (as CaCO3)	Semiannually (2x/Year)	5	7 days
Oil and Grease	Semiannually (2x/Year)	5	7 days
Priority Pollutant Scan (See Appendix G)	Semiannually (2x/Year)	5	7 days
Sulfates	Semiannually (2x/Year)	5	7 days
Total Cadmium	Semiannually (2x/Year)	5	7 days
Total Copper	Semiannually (2x/Year)	5	7 days
Total Dissolved Solids	Semiannually (2x/Year)	5	7 days
Total Kjeldahl Nitrogen	Semiannually (2x/Year)	5	7 days
Total Lead	Semiannually (2x/Year)	5	7 days
Total Mercury	Semiannually (2x/Year)	5	7 days
Total Nickel	Semiannually (2x/Year)	5	7 days
Total Nitrogen	Semiannually (2x/Year)	5	7 days
Total PCBs	Semiannually (2x/Year)	5	7 days
Total Phosphorus	Semiannually (2x/Year)	5	7 days
Total Suspended Solids	Semiannually (2x/Year)	5	7 days
Total Zinc	Semiannually (2x/Year)	5	7 days

ATTACHMENT G
PRIORITY POLLUTANT LIST (MQLs)
CITY OF BATON ROUGE
PARISH OF EAST BATON ROUGE

	Required MQL, ug/ml
TABLE II	
VOLATILES	
Acrolein	**50**
Acrylonitrile	**20**
Benzene	**10**
Bromoform	**10**
Carbon tetrachloride	**2**
Chlorobenzene	**10**
Chlorodibromomethane	**10**
Chloroethane	**50**
2-chloroethyl vinyl ether	**10**
Chloroform	**10**
Dichlorobromomethane	**10**
1,1-dichloroethane	**10**
1,2-dichloroethane	**10**
1,1-dichloroethylene	**10**
1,2-dichloropropane	**10**
1,3-dichloropropylene	**10**
Ethylbenezene	**10**
Methyl bromide	**50**
Methyl chloride	**50**
Methylene chloride	**20**
para-dichlorobenzene	**------**
1,1,2,2-tetrachloroethane	**10**
Tetrachloroethylene	**10**
Toluene	**10**
1,2-trans-dichloroethylene	**10**
1,1,1-trichloroethane	**10**
1,1,2-trichloroethane	**10**
Trichloroethylene	**10**
Vinyl chloride	**10**
ACID COMPOUNDS	
2-chlorophenol	**10**
3-chlorophenol	**10**
4-chlorophenol	**10**

2,4-dichlorophenol	**10**
2,3-dichlorophenol	**10**
2,5-dichlorophenol	**10**
2,6-dichlorophenol	**10**
3,4-dichlorophenol	**10**
2,4-dimethylphenol	**10**
4,6-dinitro-o-cresol	**50**
2,4-dinitrophenol	**50**
2-nitrophenol	**20**
4-nitrophenol	**50**
p-chloro-m-cresol	**10**
Pentachlorophenol	**5**
Phenol	**10**
2,4,6-trichlorophenol	**10**
PESTICIDES	
Aldrin	**0.01**
Alpha-BHC	**0.05**
Beta-BHC	**0.05**
Gamma-BHC	**0.05**
Delta-BHC	**0.05**
Chlordane	**0.2**
4,4'-DDT	**0.02**
4,4'-DDE	**0.1**
4,4'-DDD	**0.1**
2,4-dichlorophenoxyacetic acid	**10**
2-(2,4,5-trichlorophenoxy)propionic acid	**4**
Dieldrin	**0.02**
Alpha-endosulfan	**0.01**
Beta-endosulfan	**0.02**
Endosulfan sulfate	**0.1**
Endrin	**0.02**
Endrin aldehyde	**0.1**
Heptachlor	**0.01**
Heptachlor epoxide	**0.01**
PCB-1242	**0.2**
PCB-1254	**0.2**
PCB-1221	**0.2**
PCB-1232	**0.2**
PCB-1248	**0.2**
PCB-1260	**0.2**
PCB-1016	**0.2**

PCB's-TOTAL	**0.2**
2,3,7,8-tetrachlorodibenzo-p-dioxin	**0.00001**
Toxaphene	**0.3**
BASE/NEUTRAL COMPOUNDS	
Acenaphthene	**10**
Acenaphthylene	**10**
Anthracene	**10**
Benzidine	**50**
Benzo(a)anthracene	**5**
Benzo(a)pyrene	**5**
3,4-benzofluoranthene	**10**
Benzo(ghi)perylene	**20**
Benzo(k)fluoranthene	**5**
Bis(2-chloroethoxy)methane	**10**
Bis(2-chloroethyl)ether	**10**
Bis(2-chloro-1-methylethyl)ether	**10**
Bis(2-chloroisopropyl)ether	**10**
Bis(2-ethylhexyl)phthalate	**10**
4-bromophenyl phenyl ether	**10**
Butylbenzyl phthalate	**10**
2-chloronaphthalene	**10**
4-chlorophenyl phenyl ether	**10**
Chrysene	**5**
Dibenzo(a,h)anthracene	**5**
1,2-dichlorobenzene	**10**
1,3-dichlorobenzene	**10**
1,4-dichlorobenzene	**10**
3,3'-dichlorobenzidine	**5**
Diethyl phthalate	**10**
Dimethyl phthalate	**10**
Di-n-butyl phthalate	**10**
2,4-dinitrotoluene	**10**
2,6-dinitrotoluene	**10**
Di-n-octyl phthalate	**10**
1,2-diphenylhydrazine (as azobenzene)	**20**
Fluoranthene	**10**
Fluorene	**10**
Hexachlorobenzene	**5**
Hexachlorobutadiene	**10**
Hexachlorocyclopentadiene	**10**
Hexachloroethane	**20**

Indeno (1,2,3-cd)pyrene	**5**
Isophorone	**10**
Naphthalene	**10**
Nitrobenzene	**10**
N-nitrosodimethylamine	**50**
N-nitrosodi-n-propylamine	**20**
N-nitrosodiphenylamine	**20**
Phenanthrene	**10**
Pyrene	**10**
1,2,4-trichlorobenzene	**10**
TABLE III	
METALS CYANIDE and PHENOLS	
Antimony, Total	**60**
Arsenic, Total	**5**
Beryllium, Total	**0.5**
Cadmium, Total	**1**
Chromium (3+)	**10**
Chromium (6+)	**10**
Chromium, Total	**10**
Copper, Total	**3**
Lead, Total	**2**
Mercury, Total (Low Level)	**0.0005/0.005**
Molybdenum	**30**
Nickel, Total	**5**
Selenium, Total	**5**
Silver, Total	**0.5**
Thallium, Total	**0.5**
Zinc, Total	**20**
Cyanide, Total	**10**
Phenols, Total	**5**

ATTACHMENT H
TOTAL TOXIC ORGANICS (TTO) LIST
CITY OF BATON ROUGE
PARISH OF EAST BATON ROUGE

Total Toxic Organic (TTO) List
(91 Compounds)
Volatile Compounds (mg/L) - 28
Acrolein
Acrylonitrile
Benzene
Bromoform
Carbon Tetrachloride
Chlorobenzene
Chlorodibromomethane
Chloroethane
2-Chloroethyl vinyl ether
Chloroform
Dichlorobromomethane
1,1-Dichloroethane
1,2-Dichloroethane
1,1-Dichloroethylene
1,2-Dichloropropane
1,3-Dichloropropylene
Ethyl Benzene
Methyl Bromide
Methyl Chloride
Methylene Chloride
1,1,2,2-Tetrachloroethane
Tetrachloroethylene
Toluene
1,2-trans-Dichloroethylene
1,1,1-Trichloroethane
1,1,2-Trichloroethane
Trichloroethylene
Vinyl Chloride
Acid Extractable Compounds (mg/L) - 13
2-Chlorophenol
o-Cresol
p-Cresol
2,4-Dichlorophenol
2,4-Dimethylphenol

4,6-Dinitro-o-cresol
2,4-Dinitrophenol
2-Nitrophenol
4-Nitrophenol
p-Chloro-m-cresol
Pentachlorophenol
Phenol
Phenol Total
Base/Neutral Extractable (mg/L) - 50
Acenaphthene
Acenaphthylene
Anthracene
Benzidine
Benzo(a)anthracene
Benzo(a)pyrene
3,4-Benzofluoranthene
Benzo(ghi)perylene
Benzo(k)fluoranthene
Bis(2-chloroethoxy)methane
Bis(2-chloroethyl)ether
Bis(2-chloro-1-methylethyl)ether
Bis(2-chloroisopropyl)ether
Bis(2-ethylhexyl)phthalate
4-Bromophenyl phenyl ether
Butylbenzyl phthalate
Carbazole
2-Chloronaphthalene
4-Chlorophenyl phenyl ether
Chrysene
n-Decane
Dibenzo(a,h)anthracene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
3,3'-Dichlorobenzidine
Diethyl phthalate
Dimethyl phthalate
Di-n-butyl phthalate
2,4-dinitrotoluene
2,6-dinitrotoluene
Di-n-octyl phthalate
1,2-Diphenylhydrazine (as azobenzene)

Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Indeno (1,2,3-cd)pyrene
Isophorone
Naphthalene
Nitrobenzene
N-Nitrosodimethylamine
N-Nitrosodi-n-propylamine
N-Nitrosodiphenylamine
n-Octadecane
Phenanthrene
Pyrene
1,2,4-Trichlorobenzene

ATTACHMENT I
REQUIRED & RECOMMENDED ANALYTICAL TEST METHODS
CITY OF BATON ROUGE
PARISH OF EAST BATON ROUGE

The City-Parish is required to use approved Clean Water Act (CWA) methods referenced to 40 CFR Part 136 for compliance purposes of wastewater measurements. The SW – 846 Methods (solid waste methods from EPA Office of Resource Conservation and Recovery) are not necessarily developed for the same monitoring purposes or matrices for which CWA methods are developed, thus it cannot be used interchangeably. However, our permitting authority, the Louisiana Department of Environmental Quality (LDEQ) allows the City-Parish, to use SW-846 for analyzing sewage sludge (biosolids) and groundwater monitoring. Furthermore, the City-Parish is required to have these analytical test methods performed by any laboratory that is certified by the National Environmental Laboratory Accreditation Program (NELAP) or Louisiana Environmental Laboratory Accreditation Program (LELAP).

The following tables below are all excerpts from the **most recently updated** 40 CFR Part 136 and the SW-846, please refer to these two references to check the entailed footnotes. Additionally, should a parameter does not have EPA recommended method, please refer to Louisiana Environmental Laboratory Accreditation Program (LELAP) column on the table. Lastly, please refer to these two references for the required containers, preservation techniques, sample preparation techniques, and holding times. No other methods should be utilized to substitute the methods on these tables.

GROUNDWATER MONITORING		
Parameter	**Methodology**	**EPA (SW 846)**
ORGANIC ANALYTES		
1,1,1,2-Tetrachloroethane	GC	SW 8021B
	GC/MS	SW 8260D
1,1,1-Trichloroethane (Methylchloroform)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
1,1,2,2-Tetrachloroethane	GC	SW 8021B
	GC/MS	SW 8260D
1,1,2-Trichloroethane	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
1,1-Dichloroethane (Ethylidine Chloride)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
1,2,3-Trichloropropane	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
1,2,- Dibromo-3-chloropropane (DBCP)	GC	SW 8011, SW 8021B, SW 8081B
	GC/MS	SW 8260D, SW 8270E
	VD/GC/MS	SW 8261
1,2- Dibromoethane (EDB, Ethylene dibromide)	GC	SW 8011, SW 8021B
	GC/MS	SW 8260D
1,2- Dichlorobenzene (o-Dichlorobenzene)	GC	SW 8021B, SW 8121
	GC/MS	SW 8260D, SW 8270E
	VD/GC/MS	SW 8261
	GC/FT-IR	SW 8410
1,2-Dichloroethane (Ethylene dichloride)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
1,2-Dichloropropane (Propylene dichloride)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
1,4- Dichlorobenzene (p-Dichlorobenzene)	GC	SW 8021B, SW 8121
	GC/MS	SW 8260D, SW 8270E
	VD/GC/MS	SW 8261
	GC/FT-IR	SW 8410

GROUNDWATER MONITORING		
Parameter	**Methodology**	**EPA (SW 846)**
2-Hexanone (Methyl butyl ketone)	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
2-Propanone (Acetone)	GC	SW 8015C
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
	HPLC	SW 8315A
Acrylonitrile	GC	SW 8015C, SW 8031
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
	HPLC	SW 8316
Benzene	GC	SW 8015C, SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Bromoform (Tribromomethane)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Carbon Disulfide	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Carbon Tetrachloride	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
	Colorimetric Screening	SW 8535
Chlorobenzene	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Chlorobromomethane (Bromochloromethane)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Chlorodibromomethane (Dibromochloromethane)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Chloroethane (Ethyl Chloride)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Chloroform (Trichloromethane)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Dichlorobromomethane	GC	SW 8021B

GROUNDWATER MONITORING		
Parameter	**Methodology**	**EPA (SW 846)**
(Bromodichloromethane)	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Dichloromethane, DCM (Methylene Chloride)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Ethylbenzene	GC	SW 8015C, SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Iodomethane (Methyl Iodide)	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Bromomethane (Methyl Bromide)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Chloromethane (Methyl Chloride)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Methyl Ethyl Ketone (MEK, 2-Butanone)	GC	SW 8015C
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Methyl Isobutyl Ketone (MIBK, 4-Methyl-2-pentanone)	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Dibromomethane, (Methylene Bromide)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Styrene	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Tetrachloroethylene (Tetrachloroethene, Perchloroethylene)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Toluene	GC	SW 8015C, SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Trichloroethylene (Trichloroethene)	GC	SW 8021B
	GC/MS	SW 8260D

GROUNDWATER MONITORING		
Parameter	**Methodology**	**EPA (SW 846)**
	VD/GC/MS	SW 8261
	Colorimetric Screening	SW 8535
Trichlorofluoromethane (CFC-11)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Vinyl Acetate	GC/MS	SW 8260D
Vinyl Chloride	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Vinylidene Chloride (1,1-Dichloroethene, 1,1-Dichloroethylene)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Xylenes	GC	SW 8015C, SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
cis-1,3-Dichloropropene	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
cis-1,2-Dichloroethene (cis-1,2-Dichloroethylene)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
trans-1,2-Dichloroethene (trans-1,2-Dichloroethylene)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
trans-1,3-Dichloropropene	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
trans-1,4-Dichloro-2-butene	GC/MS	SW 8260D
	VD/GC/MS	SW 8261

GROUNDWATER MONITORING		
Parameter	**Methodology**	**EPA (SW 846)**
INORGANIC ANALYTES		
Chloride	Capillariy Ion Electrophoresis	SW 6500
	Ion Chromatography	SW 9056A
	HCl/Cl2 Emission Sampling Train (Methods 0050 and 0051) by Anion Chromatography	SW 9057
	Potentiometric Determination of Chloride in Aqueous Samples with Ion-Selective Electrode	SW 9212
	Colorimetric, Automated Ferricyanide AAI	SW 9250
	(Colorimetric, Automated Ferricyanide AAII	SW9251
	Titrimetric, Silver Nitrate	SW 9253
Sulfate	Capillariy Ion Electrophoresis	SW 6500
	Colorimetric, Automated, Chloranilate	SW 9035
	Colorimetric, Automated, Methylthymol Blue, AA II	SW 9036
	Turbidimetric	SW 9038
	Ion Chromatography	SW 9056A
Antimony	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	Antimony and Arsenic (Atomic Absorption, Borohydride Reduction)	SW 7062
Arsenic	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	GFAAS	SW 7010
	Arsenic (Atomic Absorption, Gaseous Hydride)	SW 7061A
	Antimony and Arsenic (Atomic Absorption, Borohydride Reduction)	SW 7062

GROUNDWATER MONITORING		
Parameter	**Methodology**	**EPA (SW 846)**
	Arsenic in Aqueous Samples and Extracts by Anodic Stripping Voltammetry (ASV)	SW 7063
Barium	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Beryllium	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Cadmium	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Chromium	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Cobalt	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Copper	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800

GROUNDWATER MONITORING		
Parameter	**Methodology**	**EPA (SW 846)**
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Lead	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Nickel	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Selenium	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	GFAAS	SW 7010
	Selenium (Atomic Absorption, Gaseous Hydride)	SW 7741A
	Selenium (Atomic Absorption, Borohydride Reduction)	SW 7742
Silver	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Thallium	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200

GROUNDWATER MONITORING		
Parameter	**Methodology**	**EPA (SW 846)**
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Vanadium	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Zinc	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Mercury	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Mercury in Liquid Waste (Manual Cold-Vapor Technique)	SW 7470A
	Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Technique)	SW 7471B
	Mercury in Aqueous Samples and Extracts by Anodic Stripping Voltammetry (ASV)	SW 7472
	Mercury in Solids and Solutions by Thermal Decomposition, Amalgamation, and Atomic Absorption Spectrophotometry	SW 7473

GROUNDWATER MONITORING		
Parameter	**Methodology**	**EPA (SW 846)**
	Mercury in Sediment and Tissue Samples by Atomic Fluorescence Spectrometry	SW 7474

TCLP Sewage Sludge		
Parameter	**Methodology**	**EPA (SW 846)**
ORGANIC ANALYTES		
2-Methylphenol (o-cresol)	GC	SW 8041A
	GC/MS	SW 8270E
	GC/FTIR	SW 8410
3-Methylphenol (m-cresol)	GC	SW 8041A
	GC/MS	SW 8270E
4-Methylphenol (p-cresol)	GC	SW 8041A
	GC/MS	SW 8270E
	GC/FTIR	SW 8410
Pentachlorophenol	GC	SW 8041A
	GC/AED	SW 8085
	GC	SW 8151A
	GC/MS	SW 8270E
	GC/FTIR	SW 8410
2,4,5-Trichlorophenol	GC	SW 8041A
	GC/AED	SW 8085
	GC/MS	SW 8270E
	GC/FTIR	SW 8410
2,4,6-Trichlorophenol	GC	SW 8041A
	GC/AED	SW 8085
	GC/MS	SW 8270E
	GC/FTIR	SW 8410
1,4-Dichlorobenzene	GC	SW 8021B
	GC	SW 8121
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
	GC/MS	SW 8270E
	GC/FTIR	SW 8410
2,4-Dinitrotoluene (2,4-DNT)	GC	SW 8091
	GC	SW 8095
	GC/MS	SW 8270E
	HPLC	SW 8330A
	GC/FTIR	SW 8410
Hexachlorobenzene	GC	SW 8081B
	GC/AED	SW 8085
	GC	SW 8121
	GC/MS	SW 8270E
	TE/GC/MS	SW 8275A
	GC/FTIR	SW 8410

TCLP Sewage Sludge		
Parameter	**Methodology**	**EPA (SW 846)**
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	GC	SW 8021B
	GC	SW 8121
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
	GC/MS	SW 8270E
	GC/FTIR	SW 8410
Hexachloroethane	GC	SW 8121
	GC/MS	SW 8260D
	GC/MS	SW 8270E
	GC/FTIR	SW 8410
Nitrobenzene (NB)	GC	SW 8091
	GC	SW 8095
	GC/MS	SW 8260D
	GC/MS	SW 8270E
	HPLC	SW 8330A
	GC/FTIR	SW 8410
Pyridine	GC	SW 8015C
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Benzene	GC	SW 8015C
	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Carbon Tetrachloride	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Chlorobenzene	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Chloroform	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
1,2-Dichloroethane	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
1,1-Dichloroethylene (1,1-Dichloroethene, Vinylidine chloride, 1,1-DCE)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Methyl Ethyl Ketone (MEK, 2-Butanone)	GC	SW 8015C
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261

TCLP Sewage Sludge		
Parameter	**Methodology**	**EPA (SW 846)**
Tetrachloroethylene (Perchloroethylene, Tetrachloroethylene)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Trichloroethylene (Trichloroethene)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Vinyl Chloride	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Polychlorinated Biphenyls (PCBs), as Aroclors or congeners	GC/MS	SW 8082A
	GC/MS	SW 8270E
Aroclor-1016 (PCB-1016)	GC/MS	SW 8082A
	GC/MS	SW 8270E
Aroclor-1221 (PCB-1221)	GC/MS	SW 8082A
	GC/MS	SW 8270E
Aroclor-1232 (PCB-1232)	GC/MS	SW 8082A
	GC/MS	SW 8270E
Aroclor-1242 (PCB-1242)	GC/MS	SW 8082A
	GC/MS	SW 8270E
Aroclor-1248 (PCB-1248)	GC/MS	SW 8082A
	GC/MS	SW 8270E
Aroclor-1254 (PCB-1254)	GC/MS	SW 8082A
	GC/MS	SW 8270E
Aroclor-1260 (PCB-1260)	GC/MS	SW 8082A
	GC/MS	SW 8270E
Chlordane (not otherwise specified, NOS)	GC	SW 8081B
	GC/MS	SW 8270E
Endrin	GC	SW 8081B
	GC/AED	SW 8085
	GC/MS	SW 8270E
γ-BHC (γ-Hexachlorocyclohexane, Lindane)	GC	SW 8081B
	GC/AED	SW 8085
	GC	SW 8121
	GC/MS	SW 8270E
Heptachlor	GC	SW 8081B
	GC/AED	SW 8085
	GC/MS	SW 8270E
Heptachlor Epoxide	GC	SW 8081B
	GC/AED	SW 8085
	GC/MS	SW 8270E

TCLP Sewage Sludge		
Parameter	**Methodology**	**EPA (SW 846)**
Methoxychlor	GC	SW 8081B
	GC/AED	SW 8085
	GC/MS	SW 8270E
Toxaphene	GC	SW 8081B
	GC/MS	SW 8270E
	GC-NICI/MS	SW 8276
2,4-Dichlorophenoxyacetic acid (2,4-D)	GC	SW 8151A
	HPLC/TS/MS	SW 8321B
2,4,5-TP [Silvex,Fenoprop, 2-(2,4,5-trichlorophenoxy) propionic acid]	GC/AED	SW 8085
	GC	SW 8151A
	HPLC/TS/MS	SW 8321B
Paint Filter Liquids Test	Physical/Chemical Methods	SW 9095B
INORGANIC ANALYTES		
Arsenic	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	GFAAS	SW 7010
	Arsenic (Atomic Absorption, Gaseous Hydride)	SW 7061A
	Antimony and Arsenic (Atomic Absorption, Borohydride Reduction)	SW 7062
	Arsenic in Aqueous Samples and Extracts by Anodic Stripping Voltammetry (ASV)	SW 7063
Barium	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Cadmium	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010

TCLP Sewage Sludge		
Parameter	**Methodology**	**EPA (SW 846)**
Chromium	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Lead	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Mercury	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Mercury in Liquid Waste (Manual Cold-Vapor Technique)	SW 7470A
	Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Technique)	SW 7471B
	Mercury in Aqueous Samples and Extracts by Anodic Stripping Voltammetry (ASV)	SW 7472
	Mercury in Solids and Solutions by Thermal Decomposition, Amalgamation, and Atomic Absorption Spectrophotometry	SW 7473
	Mercury in Sediment and Tissue Samples by Atomic Fluorescence Spectrometry	SW 7474

TCLP Sewage Sludge		
Parameter	**Methodology**	**EPA (SW 846)**
Selenium	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	GFAAS	SW 7010
	Selenium (Atomic Absorption, Gaseous Hydride)	SW 7741A
	Selenium (Atomic Absorption, Borohydride Reduction)	SW 7742
Silver	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010

ORGANIC COMPOUNDS CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
VOLATILE COMPOUNDS						
Acrolein	GC	603				
	GC/MS	624.1,[4] 1624 B				
Acrylonitrile	GC	603				
	GC/MS	624.1,[4] 1624 B			O-4127-96 [13]	
Benzene	GC	602	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 [13], O-4436-16 [14]	
Bromoform	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011			
Carbon tetrachloride	GC	601	6200 C-2011		See footnote,[3] p. 130.	
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 [13], O-4436-16 [14]	
Chlorobenzene	GC	601, 602	6200 C-2011		See footnote,[3] p. 130.	
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 [13], O-4436-16 [14]	
Dibromochloromethane (Chlorodibromomethane)	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 [13], O-4436-16 [14]	
Chloroethane	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 [13]	
2-Chloroethylvinyl ether	GC	601				
	GC/MS	624.1, 1624B				
Chloroform	GC	601	6200 C-2011		See footnote,[3] p. 130.	
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 [13], O-4436-16 [14]	
Bromodichloromethane	GC	601	6200 C-2011			

ORGANIC COMPOUNDS CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
(Dichlorobromomethane)	GC/MS	624.1, 1624B	6200 B-2011			
1,1-Dichloroethane	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 [13], O-4436-16 [14]	
1,2-Dichloroethane	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 [13], O-4436-16 [14]	
1,1-Dichloroethene (1,1-Dichloroethylene)	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 [13], O-4436-16 [14]	
1,2-Dichloropropane	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 [13], O-4436-16 [14]	
cis-1,3-Dichloropropene	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 [13], O-4436-16 [14]	
trans-1,3-Dichloropropene (1,3-Dichloropropylene, 1,3-D, CAS#542-75-6)	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 [13], O-4436-16 [14]	
Ethylbenzene	GC	602	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 [13], O-4436-16 [14]	
Bromomethane (Methyl Bromide)	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011			
Chloromethane (Methyl Chloride)	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 [13], O-4436-16 [14]	
Methylene chloride	GC	601	6200 C-2011		See footnote,[3] p. 130.	
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 [13], O-4436-16 [14]	
1,1,2,2-Tetrachloroethane	GC	601	6200 C-2011		See footnote,[3] p. 130.	

ORGANIC COMPOUNDS CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 [13]	
Tetrachloroethene (Tetrachloroethylene)	GC	601	6200 C-2011		See footnote,[3] p. 130.	
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 [13], O-4436-16 [14]	
trans-1,2-Dichloroethene (1,2-trans-dichloroethylene)	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 [13], O-4436-16 [14]	
Toluene	GC	602	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 [13], O-4436-16 [14]	
1,1,1-Trichloroethane	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 [13], O-4436-16 [14]	
1,1,2-Trichloroethane	GC	601	6200 C-2011		See footnote,[3] p. 130.	
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 [13], O-4436-16 [14]	
Trichloroethene (Trichloroetheylene)	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 [13], O-4436-16 [14]	
Vinyl chloride	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 [13], O-4436-16 [14]	
BASE/NEUTRAL COMPOUNDS						
Acenaphthene	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
	HPLC	610	6440 B-2005	D4657-92 (98)		
Acenaphthylene	GC	610				

ORGANIC COMPOUNDS CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
	HPLC	610	6440 B-2005	D4657-92 (98)		
Anthracene	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
	HPLC	610	6440 B-2005	D4657-92 (98)		
Benzidine	Spectro-photometric				See footnote,[3] p.1.	
	GC/MS	625.1[5], 1625B	6410 B-2000			
	HPLC	605				
Benzo(a)anthracene	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
	HPLC	610	6440 B-2005	D4657-92 (98)		
Benzo(a)pyrene	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
	HPLC	610	6440 B-2005	D4657-92 (98)		
Benzo(b)fluoranthene (3,4-benzofluoranthene)	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
	HPLC	610	6440 B-2005	D4657-92 (98)		
Benzo(g,h,i)perylene	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	

ORGANIC COMPOUNDS CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
	HPLC	610	6440 B-2005	D4657-92 (98)		
Benzo(k)fluoranthene	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
	HPLC	610	6440 B-2005	D4657-92 (98)		
bis(2-Chloroethoxy) methane	GC	611				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
bis(2-Chloroethyl) ether	GC	611				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
2,2'-oxybis(1-chloropropane)[12] [also known as bis(2-Chloro-1-methylethyl) ether]	GC	611				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
Bis(2-chloroisopropyl)ether	GC	611				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
bis(2-Ethylhexyl) phthalate	GC	606				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
4-Bromophenyl phenyl ether	GC	611				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
Butyl benzyl phthalate	GC	606				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
2-Chloronaphthalene	GC	612				

ORGANIC COMPOUNDS CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
4-Chlorophenyl phenyl ether	GC	611				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
Chrysene	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
	HPLC	610	6440 B-2005	D4657-92 (98)		
Dibenzo(a,h)anthracene	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
	HPLC	610	6440 B-2005	D4657-92 (98)		
1,2-Dichlorobenzene	GC	601, 602	6200 C-2011			
	GC/MS	624.1, 1625B	6200 B-2011		See footnote,[9] p. 27. O-4127-96 [13], O-4436-16 [14]	
1,3-Dichlorobenzene	GC	601, 602	6200 C-2011			
	GC/MS	624.1, 1625B	6200 B-2011		See footnote,[9] p. 27. O-4127-96 [13], O-4436-16 [14]	
1,4-Dichlorobenzene	GC	601, 602	6200 C-2011			
	GC/MS	624.1, 1625B	6200 B-2011		See footnote,[9] p. 27. O-4127-96 [13], O-4436-16 [14]	
3,3'-Dichlorobenzidine	GC/MS	625.1, 1625B	6410 B-2000			

ORGANIC COMPOUNDS CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
	HPLC	605				
Diethyl phthalate	GC	606				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
Dimethyl phthalate	GC	606				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
Di-n-butyl phthalate	GC	606				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
2,4-Dinitrotoluene	GC	609				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
2,6-Dinitrotoluene	GC	609				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
Di-n-octyl phthalate	GC	606				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
1,2-Diphenylhydrazene (as azobenzene)	GC					
	GC/MS	625.1, 1625B				
Fluoranthene	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
	HPLC	610	6440 B-2005	D4657-92 (98)		
Fluorene	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	

ORGANIC COMPOUNDS CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
	HPLC	610	6440 B-2005	D4657-92 (98)		
Hexachlorobenzene	GC	612				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
Hexachlorobutadiene	GC	612				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27. O-4127-96 [13]	
Hexachlorocyclopentadiene	GC	612				
	GC/MS	625.1,[5] 1625 B	6410 B-2000		See footnote,[9] p. 27. O-4127-96 [13]	
Hexachloroethane	GC	612				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27. O-4127-96 [13]	
Indeno(1,2,3-c,d) pyrene	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
	HPLC	610	6440 B-2005	D4657-92 (98)		
Isophorone	GC	609				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
Naphthalene	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
	HPLC	610	6440 B-2005			
Nitrobenzene	GC	609				

ORGANIC COMPOUNDS CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
	HPLC			D4657-92 (98)		
N-Nitrosodimethylamine	GC	607				
	GC/MS	625.1,[5] 1625 B	6410 B-2000		See footnote,[9] p. 27.	
N-Nitrosodi-n-propylamine	GC	607				
	GC/MS	625.1,[5] 1625 B	6410 B-2000		See footnote,[9] p. 27.	
N-Nitrosodiphenylamine	GC	607				
	GC/MS	625.1,[5] 1625 B	6410 B-2000		See footnote,[9] p. 27.	
Phenanthrene	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
	HPLC	610	6440 B-2005	D4657-92 (98)		
Pyrene	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
	HPLC	610	6440 B-2005	D4657-92 (98)		
1,2,4-Trichlorobenzene	GC	612			See footnote,[3] p. 130.	
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27. O-4127-96 [13], O-4436-16 [14]	

ORGANIC COMPOUNDS CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
ACID COMPOUNDS						
2-Chlorophenol	GC	604	6420 B-2000			
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
3-Chlorophenol (no recommended method)	GC					
	GC/MS					8270D, 625.1
4-Chlorophenol (no recommended method)	GC					
	GC/MS					8270C, 8270 D, 8270 E
2,4-Dichlorophenol	GC	604	6420 B-2000			
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
2,3-Dichlorophenol (no recommended method)	GC					
	GC/MS					8270C, 8270 D, 625.1
2,5-Dichlorophenol (no recommended method)	GC					
	GC/MS					8270C, 8270 D, 8270 E, 625.1
2,6-Dichlorophenol	GC					
	GC/MS	625.1				
3,4-Dichlorophenol (no recommended method)	GC					
	GC/MS					8270C, 8270 D, 8270 E, 625.1
2,4-Dimethylphenol	GC	604	6420 B-2000			
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
2-Methyl-4,6-dinitrophenol (4,6-dinitro-o-cresol)	GC	604	6420 B-2000			
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	

ORGANIC COMPOUNDS CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
2, 4-Dinitrophenol	GC	604	6420 B-2000		See footnote,[9] p. 27.	
	GC/MS	625.1, 1625B	6410 B-2000			
2-Nitrophenol	GC	604	6420 B-2000			
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
4-Nitrophenol	GC	604	6420 B-2000			
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
4-Chloro-3-methyl phenol (p-chloro-m-cresol)	GC	604	6420 B-2000			
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
Pentachlorophenol	GC	604	6420 B-2000		See footnote,[3] p. 140.	
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
Phenol	GC	604	6420 B-2000			
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	
2,4,6-Trichlorophenol	GC	604	6420 B-2000			
	GC/MS	625.1, 1625B	6410 B-2000		See footnote,[9] p. 27.	

ORGANIC COMPOUNDS CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
PESTICIDE COMPOUNDS						
Aldrin	GC	617, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96 (02)	See footnote,[3] p. 7; See footnote,[4] O-3104-83; See footnote,[8] 3M0222.	
	GC/MS	625.1	6410 B-2000			
α-BHC	GC	617, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote,[3] p. 7; See footnote,[8] 3M0222.	
	GC/MS	625.15	6410 B-2000		See footnote,[11] O-1126-95.	
β-BHC	GC	617, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote,[8] 3M0222.	
	GC/MS	625.1	6410 B-2000			
δ-BHC	GC	617, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote,[8] 3M0222.	
	GC/MS	625.1	6410 B-2000			
γ-BHC (Lindane)	GC	617, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote,[3] p. 7; See footnote,[4] O-3104-83; See footnote,[8] 3M0222.	
	GC/MS	625.15	6410 B-2000		See footnote,[11] O-1126-95.	

ORGANIC COMPOUNDS CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
Chlordane	GC	617, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote,[3] p. 7; See footnote,[4] O-3104-83; See footnote,[8] 3M0222.	
	GC/MS	625.1	6410 B-2000			
4,4′-DDD	GC	617, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote,[3] p. 7; See footnote,[4] O-3105-83; See footnote,[8] 3M0222.	
	GC/MS	625.1	6410 B-2000			
4,4′-DDE	GC	617, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote,[3] p. 7; See footnote,[4] O-3104-83; See footnote,[8] 3M0222.	
	GC/MS	625.1	6410 B-2000		See footnote,[11] O-1126-95.	
4,4′-DDT	GC	617, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote,[3] p. 7; See footnote,[4] O-3104-83; See footnote,[8] 3M0222.	
	GC/MS	625.1	6410 B-2000			

ORGANIC COMPOUNDS CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
Dieldrin	GC	617, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote,[3] p. 7; See footnote,[4] O-3104-83; See footnote,[8] 3M0222.	
	GC/MS	625.1	6410 B-2000		See footnote,[11] O-1126-95.	
Endosulfan I	GC	617, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote,[3] p. 7; See footnote,[4] O-3104-83; See footnote,[8] 3M0222).	
	GC/MS	625.15	6410 B-2000		See footnote,[13] O-2002-01.	
Endosulfan II	GC	617, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote,[3] p. 7; See footnote,[8] 3M0222.	
	GC/MS	625.15	6410 B-2000		See footnote,[13] O-2002-01.	
Endosulfan Sulfate	GC	617, 608.3	6630 C-2007		See footnote,[8] 3M0222.	
	GC/MS	625.1	6410 B-2000			
Endrin	GC	505, 508, 617, 1656, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote,[3] p. 7; See footnote,[4] O-3104-83; See footnote,[8] 3M0222.	

ORGANIC COMPOUNDS CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
	GC/MS	525.1, 525.2, 625.1[5]	6410 B-2000			
Endrin aldehyde	GC	617, 608.3	6630 C-2007		See footnote,[8] 3M0222.	
	GC/MS	625.1				
Heptachlor	GC	505, 508, 617, 1656, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote,[3] p. 7; See footnote,[4] O-3104-83; See footnote,[8] 3M0222.	
	GC/MS	525.1, 525.2, 625.1	6410 B-2000			
Heptachlor epoxide	GC	617, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote,[3] p. 7; See footnote,[4] O-3104-83; See footnote,[6] p. S73; See footnote,[8] 3M0222.	
	GC/MS	625.1	6410 B-2000			
PCB-1016	GC	608.3			See footnote,[3] p. 43; See footnote.[8]	
	GC/MS	625.1	6410 B-2000			
PCB-1221	GC	608.3			See footnote,[3] p. 43; See footnote.[8]	
	GC/MS	625.1	6410 B-2000			

ORGANIC COMPOUNDS CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
PCB-1232	GC	608.3			See footnote,[3] p. 43; See footnote.[8]	
	GC/MS	625.1	6410 B-2000			
PCB-1242	GC	608.3			See footnote,[3] p. 43; See footnote.[8]	
	GC/MS	625.1	6410 B-2000			
PCB-1248	GC	608.3			See footnote,[3] p. 43; See footnote.[8]	
	GC/MS	625.1	6410 B-2000			
PCB-1254	GC	608.3			See footnote,[3] p. 43; See footnote.[8]	
	GC/MS	625.1	6410 B-2000			
PCB-1260	GC	608.3			See footnote,[3] p. 43; See footnote.[8]	
	GC/MS	625.1	6410 B-2000			
Total PCBs (no recommended method)	Total PCBs represents the sum of all measured PCB congeners					
2,3,7,8-Tetrachloro-dibenzo-*p*-dioxin (2,3,7,8-TCDD)	GC/MS	613, 625.1,[5a] 1613 B				

ORGANIC COMPOUNDS CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
Toxaphene	GC	505, 508, 617, 1656, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote,[3] p. 7; See footnote;[8] See footnote,[4] O-3105-83.	
	GC/MS	525.1, 525.2, 625.1	6410 B-2000			
HERBICIDE COMPOUNDS						
Atrazine, ug/mL	GC	507, 619, 608.3			See footnote,[3] p. 83; See footnote,[6] p. S68; See footnote,[9] O-3106-93.	
	HPLC/MS				See footnote,[12] O-2060-01.	
	GC/MS	525.1, 525.2, 625.1			See footnote,[11] O-1126-95.	
2,4-Dichlorophenoxyacetic acid (2,4 D)	GC	1658/515.1/615/515.2/555.				
2-(2,4,5-trichlorophenoxy)propionic acid (2,4,5-TP/ Silvex)	GC	615	6640 B-2006		See footnote,[3] p. 115; See footnote,[4] O-3105-83.	
OTHER ORGANIC COMPOUNDS						
Benzoic Acid	GC/MS	625.1				
Carbazole	GC/MS	625.1, 1625B				
n- Decane	GC/MS	625.1, 1625B				

ORGANIC COMPOUNDS CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
n- Octadecane	GC/MS	625.1, 1625B				
o- Cresol (2-methylphenol)	GC/MS	625.1, 1625B				
p- Cresol (4-methylphenol)	GC/MS	625.1, 1625B				

BIOLOGICAL CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
AQUATIC TOXICITY						
Toxicity, acute, fresh water organisms, LC_{50}, percent effluent	*Ceriodaphnia dubia* acute	2002.0 [26]				
	Daphnia puplex and *Daphnia magna* acute	2021.0 [26]				
	Fathead Minnow, *Pimephales promelas,* and Bannerfin shiner, *Cyprinella leedsi,* acute	2000.0 [26]				
	Rainbow Trout, *Oncorhynchus mykiss,* and brook trout, *Salvelinus fontinalis,* acute	2019.0 [26]				
Toxicity, acute, estuarine and marine organisms of the Atlantic Ocean and Gulf of Mexico, LC_{50}, percent effluent	Mysid, *Mysidopsis bahia,* acute	2007.0 [26]				
	Sheepshead Minnow, *Cyprinodon variegatus,* acute	2004.0 [26]				
	Silverside, *Menidia beryllina, Menidia menidia,* and *Menidia peninsulae,* acute	2006.0 [26]				
Toxicity, chronic, fresh water organisms, NOEC or IC_{25}, percent effluent	Fathead minnow, *Pimephales promelas,* larval survival and growth	1000.0 [27]				

BIOLOGICAL CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
	Fathead minnow, *Pimephales promelas,* embryo-larval survival and teratogenicity	1001.0 [27]				
	Daphnia, *Ceriodaphnia dubia,* survival and reproduction	1002.0 [27]				
	Green alga, *Selenastrum capricornutum,* growth	1003.0 [27]				
Toxicity, chronic, estuarine and marine organisms of the Atlantic Ocean and Gulf of Mexico, NOEC or IC_{25}, percent effluent	Sheepshead minnow, *Cyprinodon variegatus,* larval survival and growth	1004.0 [28]				
	Sheepshead minnow, *Cyprinodon variegatus*, embryo-larval survival and teratogenicity	1005.0 [28]				
	Inland silverside, *Menidia beryllina,* larval survival and growth	1006.0 [28]				
	Mysid, *Mysidopsis bahia,* survival, growth, and fecundity	1007.0 [28]				
	Sea urchin, *Arbacia punctulata,* fertilization	1008.0 [28]				
BACTERIA						

BIOLOGICAL CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
Coliform (fecal), number per 100 mL or number per gram dry weight	Most Probable Number (MPN), 5 tube, 3 dilution, or	p. 132,[3] 1680,[11 15] 1681[11 20]	9221 E-2014			
	Membrane filter (MF)[2], single step	p. 124[3]	9222 D-2015	B-0050-85[4]		
Coliform (fecal), number per 100 mL	MPN, 5 tube, 3 dilution, or	p. 132[3]	9221 E-2014; 9221 F-2014			
	Multiple tube/multiple well, or				Colilert-18®[13 18 21 29].	
	MF[2], single step[5]	p. 124[3]	9222 D-2015			
Coliform (total), number per 100 mL	MPN, 5 tube, 3 dilution, or	p. 114[3]	9221 B-2014			
	MF[2], single step or two step	p. 108[3]	9222 B-2015	B-0025-85[4]		
	MF[2] with enrichment[5]	p. 111[3]	9222 B-2015			
E. coli, number per 100 mL[21]	MPN[6 8 16] multiple tube, or		9221B.2-2014/9221F-2014			
	multiple tube/multiple well, or		9223 B-2004[13]	991.15 [10]	Colilert®[13 18].	
					Colilert-18®[13 17 18]	
	MF[2 5 6 7 8] two step, or		9222 B-2015, 9222 I-2015			
	MF[2 6 7 8] single step	1603 [22]			mColiBlue-24®[19].	
Fecal streptococci, number per 100 mL	MPN, 5 tube, 3 dilution, or	p. 139[3]	9230 B-2013			
	MF[2], or	p. 136[3]	9230 C-2013	B-0055-85[4]		
	Plate count	p. 143[3]				
Enterococci, number per 100 mL[21]	MPN, 5 tube, 3 dilution, or	p. 139[3]	9230 B-2013			

BIOLOGICAL CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
	MPN[6 8], multiple tube/multiple well, or		9230 D-2013	D6503-99[9]	Enterolert® [13 24].	
	MF[2 6 7 8] single step or	1600 [25]	9230 C-2013			
	Plate count	p. 143[3]				
Salmonella number per gram dry weight[11]	MPN multiple tube	1682 [23]				

INORGANIC CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
METALS						
Aluminum—Total,[4] mg/L	Digestion,[4] followed by any of the following:					
	AA direct aspiration[36]		3111 D-2011 or 3111 E-2011		I-3051-85.[2]	
	AA furnace		3113 B-2010.			
	STGFAA	200.9, Rev. 2.2 (1994)				
	ICP/AES[36]	200.5, Rev 4.2 (2003);[68] 200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12	I-4471-97.[50]	
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14,[3] I-4472-97.[81]	
	Direct Current Plasma (DCP)[36]			D4190-15	See footnote.[34]	
	Colorimetric (Eriochrome cyanine R)		3500-Al B-2011			
Antimony—Total,[4] mg/L	Digestion,[4] followed by any of the following:					
	AA direct aspiration[36]		3111 B-2011			
	AA furnace		3113 B-2010			
	STGFAA	200.9, Rev. 2.2 (1994)				
	ICP/AES[36]	200.5, Rev 4.2 (2003);[68] 200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12		

INORGANIC CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14,[3] I-4472-97.[81]	
Arsenic-Total,[4] mg/L	Digestion,[4] followed by any of the following:	206.5 (Issued 1978)[1]				
	AA gaseous hydride		3114 B-2011 or 3114 C-2011	D2972-15 (B)	I-3062-85.[2]	
	AA furnace		3113 B-2010	D2972-15 (C)	I-4063-98.[49]	
	STGFAA	200.9, Rev. 2.2 (1994)				
	ICP/AES[36]	200.5, Rev 4.2 (2003);[68] 200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12		
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14,[3] I-4020-05.[70]	
	Colorimetric (SDDC)		3500-As B-2011	D2972-15 (A)	I-3060-85.[2]	
Barium—Total,[4] mg/L	Digestion,[4] followed by any of the following:					
	AA direct aspiration[36]		3111 D-2011		I-3084-85.[2]	
	AA furnace		3113 B-2010	D4382-18		
	ICP/AES[36]	200.5, Rev 4.2 (2003);[68] 200.7, Rev. 4.4 (1994)	3120 B-2011		I-4471-97.[50]	

INORGANIC CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14,3 I-4472-97.[81]	
	DCP[36]				See footnote.[34]	
Beryllium—Total,[4] mg/L	Digestion,[4] followed by any of the following:					
	AA direct aspiration		3111 D-2011 or 3111 E-2011	D3645-15 (A)	I-3095-85.[2]	
	AA furnace		3113 B-2010	D3645-15 (B)		
	STGFAA	200.9, Rev. 2.2 (1994)				
	ICP/AES	200.5, Rev 4.2 (2003);[68] 200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12	I-4471-97.[50]	
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14,[3] I-4472-97.[81]	
	DCP			D4190-15	See footnote.[34]	
	Colorimetric (aluminon)		See footnote.[61]			
Cadmium—Total,[4] mg/L	Digestion,[4] followed by any of the following:					
	AA direct aspiration[36]		3111 B-2011 or 3111 C-2011	D3557-17 (A or B)	974.27,[3] p. 37,[9] I-3135-85[2] or I-3136-85.[2]	
	AA furnace		3113 B-2010	D3557-17 (D)	I-4138-89.[51]	

INORGANIC CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
	STGFAA	200.9, Rev. 2.2 (1994)				
	ICP/AES[36]	200.5, Rev 4.2 (2003);[68] 200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12	I-1472-85[2] or I-4471-97.[50]	
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14,[3] I-4472-97.[81]	
	DCP[36]			D4190-15	See footnote.[34]	
	Voltametry[11]			D3557-17 (C)		
	Colorimetric (Dithizone)		3500-Cd-D-1990			
Cobalt—Total,[4] mg/L	Digestion,[4] followed by any of the following:					
	AA direct aspiration		3111 B-2011 or 3111 C-2011	D3558-15 (A or B)	p. 37,[9] I-3239-85.[2]	
	AA furnace		3113 B-2010	D3558-15 (C)	I-4243-89.[51]	
	STGFAA	200.9, Rev. 2.2 (1994)				
	ICP/AES[36]	200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12	I-4471-97.[50]	
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14,[3] I-4020-05.[70] I-4472-97. [81]	
	DCP			D4190-15	See footnote.[34]	

INORGANIC CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
Chromium III dissolved, mg/L (No recommended direct method)	0.45-micron filtration followed by any of the following:					EPA 200.7 minus SM 3500 Cr B (calc.); EPA 6010B minus SM 3500 Cr B (calc.); EPA 200.8 minus SM 3500 Cr B-2011; EPA 6010C minus SM 3500 Cr B-2011; EPA 6010D minus SM 3500 Cr B-2011; EPA 6020B minus SM 3500 Cr B-2011
	AA chelation-extraction					
	Ion Chromatography					
	Colorimetric (diphenyl-carbazide)					
Chromium VI dissolved, mg/L	0.45-micron filtration followed by any of the following:					
	AA chelation-extraction		3111 C-2011		I-1232-85.[2]	
	Ion Chromatography	218.6, Rev. 3.3 (1994)	3500-Cr C-2011	D5257-17	993.23.[3]	
	Colorimetric (diphenyl-carbazide)		3500-Cr B-2011	D1687-17 (A)	I-1230-85.[2]	
Chromium—Total,[4] mg/L	Digestion,[4] followed by any of the following:					

INORGANIC CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
	AA direct aspiration[36]		3111 B-2011	D1687-17 (B)	974.27,[3] I-3236-85.[2]	
	AA chelation-extraction		3111 C-2011			
	AA furnace		3113 B-2010	D1687-17 (C)	I-3233-93.[46]	
	STGFAA	200.9, Rev. 2.2 (1994)				
	ICP/AES[36]	200.5, Rev 4.2 (2003),[68] 200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12	I-4471-97.[50]	
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14,[3] I-4472-97.[81]	
	DCP[36]			D4190-15	See footnote.[34]	
	Colorimetric (diphenyl-carbazide)		3500-Cr B-2011			
Copper—Total,[4] mg/L	Digestion,[4] followed by any of the following:					
	AA direct aspiration[36]		3111 B-2011 or 3111 C-2011	D1688-17 (A or B)	974.27,[3] p. 37,[9] I-3270-85[2] or I-3271-85.[2]	
	AA furnace		3113 B-2010	D1688-17 (C)	I-4274-89.[51]	
	STGFAA	200.9, Rev. 2.2 (1994)				

INORGANIC CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
	ICP/AES[36]	200.5, Rev 4.2 (2003);[68] 200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12	I-4471-97.[50]	
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14,[3] I-4020-05.[70] ,I-4472-97.[81]	
	DCP[36]			D4190-15	See footnote.[34]	
	Colorimetric (Neocuproine)		3500-Cu B-2011			
	Colorimetric (Bathocuproine)		3500-Cu C-2011		See footnote.[19]	
Iron—Total,[4] mg/L	Digestion,[4] followed by any of the following:					
	AA direct aspiration[36]		3111 B-2011 or 3111 C-2011	D1068-15 (A)	974.27,[3] I-3381-85.[2]	
	AA furnace		3113 B-2010	D1068-15 (B)		
	STGFAA	200.9, Rev. 2.2 (1994)				
	ICP/AES[36]	200.5, Rev. 4.2 (2003);[68] 200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12	I-4471-97.[50]	
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14.[3]	
	DCP[36]			D4190-15	See footnote.[34]	
	Colorimetric (Phenanthroline)		3500-Fe B-2011	D1068-15 (C)	See footnote.[22]	

INORGANIC CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
Lead—Total,[4] mg/L	Digestion,[4] followed by any of the following:					
	AA direct aspiration[36]		3111 B-2011 or 3111 C-2011	D3559-15 (A or B)	974.27,[3] I-3399-85.[2]	
	AA furnace		3113 B-2010	D3559-15 (D)	I-4403-89.[51]	
	STGFAA	200.9, Rev. 2.2 (1994)				
	ICP/AES[36]	200.5, Rev. 4.2 (2003);[68] 200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12	I-4471-97.[50]	
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14,[3] I-4472-97.[81]	
	DCP[36]			D4190-15	See footnote.[34]	
	Voltametry[11]			D3559-15 (C)		
	Colorimetric (Dithizone)		3500-Pb B-2011			
Mercury—Total,[4] mg/L	Cold vapor, Manual	245.1, Rev. 3.0 (1994)	3112 B-2011	D3223-17	977.22,[3] I-3462-85.[2]	
	Cold vapor, Automated	245.2 (Issued 1974)[1]				
	Cold vapor atomic fluorescence spectrometry (CVAFS)	245.7 Rev. 2.0 (2005)[17]			I-4464-01.[71]	
	Purge and Trap CVAFS	1631E [43]				

INORGANIC CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
Molybdenum—Total,[4] mg/L	Digestion,[4] followed by any of the following:					
	AA direct aspiration		3111 D-2011		I-3490-85.[2]	
	AA furnace		3113 B-2010		I-3492-96.[47]	
	ICP/AES[36]	200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12	I-4471-97.[50]	
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14,[3] I-4472-97.[81]	
	DCP				See footnote.[34]	
Nickel—Total,[4] mg/L	Digestion,[4] followed by any of the following:					
	AA direct aspiration[36]		3111 B-2011 or 3111 C-2011	D1886-14 (A or B)	I-3499-85.[2]	
	AA furnace		3113 B-2010	D1886-14 (C)	I-4503-89.[51]	
	STGFAA	200.9, Rev. 2.2 (1994)				
	ICP/AES[36]	200.5, Rev. 4.2 (2003);[68] 200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12	I-4471-97.[50]	
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14,[3] I-4020-05.[70], I-4472-97.[81]	
	DCP[36]			D4190-15	See footnote.[34]	
Selenium—Total[4], mg/L	Digestion,[4] followed by any of the following:					

INORGANIC CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
	AA furnace		3113 B-2010	D3859-15 (B)	I-4668-98.[49]	
	STGFAA	200.9, Rev. 2.2 (1994)				
	ICP/AES[36]	200.5, Rev 4.2 (2003)[68]; 200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12		
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14,[3] I-4020-05.[70] , I-4472-97.[81]	
	AA gaseous hydride		3114 B-2011, or 3114 C-2011	D3859-15 (A)	I-3667-85.[2]	
Silver—Total,[4 31] mg/L	Digestion,[4 29] followed by any of the following:					
	AA direct aspiration		3111 B-2011 or 3111 C-2011		974.27,[3] p. 37,[9] I-3720-85.[2]	
	AA furnace		3113 B-2010		I-4724-89.[51]	
	STGFAA	200.9, Rev. 2.2 (1994)				
	ICP/AES	200.5, Rev. 4.2 (2003)[68]; 200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12	I-4471-97.[50]	
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14,[3] I-4472-97.[81]	
	DCP				See footnote.[34]	

INORGANIC CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
Thallium—Total,[4] mg/L	Digestion,[4] followed by any of the following:					
	AA direct aspiration		3111 B-2011			
	AA furnace	279.2 (Issued 1978)[1]	3113 B-2010			
	STGFAA	200.9, Rev. 2.2 (1994)				
	ICP/AES	200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12		
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14,[3] I-4471-97.[50] , I-4472-97.[81]	
Tin—Total,[4] mg/L	Digestion,[4] followed by any of the following:					
	AA direct aspiration		3111 B-2011		I-3850-78.[8]	
	AA furnace		3113 B-2010			
	STGFAA	200.9, Rev. 2.2 (1994)				
	ICP/AES	200.5, Rev. 4.2 (2003)[68]; 200.7, Rev. 4.4 (1994)				
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14.[3]	
Zinc—Total,[4] mg/L	Digestion,[4] followed by any of the following:					

INORGANIC CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
	AA direct aspiration[36]		3111 B-2011 or 3111 C-2011	D1691-17 (A or B)	974.27,[3] p. 37,[9] I-3900-85.[2]	
	AA furnace	289.2 (Issued 1978)[1]				
	ICP/AES[36]	200.5, Rev. 4.2 (2003)[68]; 200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12	I-4471-97.[50]	
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14,[3] I-4020-05.[70] I-4472-97.[81]	
	DCP[36]			D4190-15	See footnote.[34]	
	Colorimetric (Zincon)		3500 Zn B-2011		See footnote.[33]	
OTHER INORGANIC TESTS						
Ammonia (as N), mg/L	Manual distillation[6] or gas diffusion (pH > 11), followed by any of the following:	350.1, Rev. 2.0 (1993)	4500-NH_3 B-2011		973.49.[3]	
	Nesslerization			D1426-15 (A)	973.49,[3] I-3520-85.[2]	
	Titration		4500-NH_3 C-2011			
	Electrode		4500-NH_3 D-2011 or E-2011	D1426-15 (B)		

INORGANIC CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
	Manual phenate, salicylate, or other substituted phenols in Berthelot reaction based methods		4500-NH_3 F-2011		See footnote.[60]	
	Automated phenate, salicylate, or other substituted phenols in Berthelot reaction based methods	350.1,[30] Rev. 2.0 (1993)	4500-NH_3 G-2011, 4500-NH_3 H-2011		I-4523-85.[2], I-2522-90 [80]	
	Automated electrode				See footnote.[7]	
	Ion Chromatography			D6919-17		
	Automated gas diffusion, followed by conductivity cell analysis				Timberline Ammonia-001.[74]	
	Automated gas diffusion, followed by fluorescence detector analysis				FIAlab100 [82]	
Biochemical oxygen demand (BOD_5), mg/L	Dissolved Oxygen Depletion		5210 B-2016		973.44,[3] p. 17,[9] I-1578-78,[8] See footnote.[10 63]	
Chemical oxygen demand (COD), mg/L	Titrimetric	410.3 (Rev. 1978)[1]	5220 B-2011 or C-2011	D1252-12 (A)	973.46,[3] p. 17,[9] I-3560-85.[2]	
	Spectrophotometric, manual or automatic	410.4, Rev. 2.0 (1993)	5220 D-2011	D1252-12 (B)	See footnotes.[13 14 83], I-3561-85.[2]	
Chlorine-Free Available, mg/L	Amperometric direct		4500-Cl D-2011	D1253-14		
	Amperometric direct (low level)		4500-Cl E-2011			

INORGANIC CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
	DPD-FAS		4500-Cl F-2011			
	Spectrophotometric, DPD		4500-Cl G-2011			
Chlorine-Total residual, mg/L	Amperometric direct		4500-Cl D-2011	D1253-14		
	Amperometric direct (low level)		4500-Cl E-2011			
	Iodometric direct		4500-Cl B-2011			
	Back titration ether end-point[15]		4500-Cl C-2011			
	DPD-FAS		4500-Cl F-2011			
	Spectrophotometric, DPD		4500-Cl G-2011			
	Electrode				See footnote.[16]	
Chloride, mg/L	Titrimetric: (silver nitrate)		4500-Cl^- B-2011	D512-12 (B)	I-1183-85.[2]	
	(Mercuric nitrate)		4500-Cl^- C-2011	D512-12 (A)	973.51,[3] I-1184-85.[2]	
	Colorimetric: Manual				I-1187-85.[2]	
	Automated (ferricyanide)		4500-Cl^- E-2011		I-2187-85.[2]	
	Potentiometric Titration		4500-Cl^- D-2011			
	Ion Selective Electrode			D512-12 (C)		
	Ion Chromatography	300.0, Rev 2.1 (1993) and 300.1, Rev 1.0 (1997)	4110 B-2011 or 4110 C-2011	D4327-17	993.30,[3] I-2057-90.[51]	
	CIE/UV		4140 B-2011	D6508-15	D6508, Rev. 2.[54]	

INORGANIC CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
Color, platinum cobalt units or dominant wavelength, hue, luminance purity	Colorimetric (ADMI)		2120 F-2011[78]			
	Platinum cobalt visual comparison		2120 B-2011		I-1250-85.[2]	
	Spectrophotometric				See footnote.[18]	
Cyanide—Total, mg/L	Automated UV digestion/distillation and Colorimetry				Kelada-01.[55]	
	Segmented Flow Injection, In-Line Ultraviolet Digestion, followed by gas diffusion amperometry			D7511-12 (17)		
	Manual distillation with $MgCl_2$, followed by any of the following:	335.4, Rev. 1.0 (1993)[57]	4500-CN^- B-2016 and C-2016	D2036-09(15)(A), D7284-13 (17)	10-204-00-1-X.[56]	
	Flow Injection, gas diffusion amperometry			, D7284-13 (17)		
	Titrimetric		4500-CN^- D-2016	D2036-09(15)(A)	p. 22.[9]	
	Spectrophotometric, manual		4500-CN^- E-2016	D2036-09(15)(A)	I-3300-85.[2]	
	Semi-Automated[20]	335.4, Rev. 1.0 (1993)[57]			10-204-00-1-X,[56] I-4302-85.[2]	
	Ion Chromatography			D2036-09(15)(A)		
	Ion Selective Electrode		4500-CN^- F-2016	D2036-09(15)(A)		
Fluoride—Total, mg/L	Manual distillation,[6] followed by any of the following:		4500-F^- B-2011	D1179-16 (A)		
	Electrode, manual		4500-F^- C-2011	D1179-19 (B)		

INORGANIC CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
	Electrode, automated				I-4327-85.[2]	
	Colorimetric, (SPADNS)		4500-F^- D-2011			
	Automated complexone		4500-F^- E-2011			
	Ion Chromatography	300.0, Rev 2.1 (1993) and 300.1, Rev 1.0 (1997)	4110 B-2011 or C-2011	D4327-17	993.30.[3]	
	CIE/UV		4140 B-2011	D6508-15	D6508, Rev. 2.[54]	
Hardness—Total, as $CaCO_3$, mg/L	Automated colorimetric	130.1 (Issued 1971)[1]				
	Titrimetric (EDTA)		2340 C-2011	D1126-17	973.52B,[3] I-1338-85.[2]	
	Ca plus Mg as their carbonates, by any approved method for Ca and Mg (See Parameters 13 and 33), provided that the sum of the lowest point of quantitation for Ca and Mg is below the NPDES permit requirement for Hardness.		2340 B-2011			
Kjeldahl Nitrogen[5]—Total, (as N), mg/L	Manual digestion[20] and distillation or gas diffusion, followed by any of the following:		4500-N_{org} B-2011 or C-2011 and 4500-NH_3 B-2011	D3590-17 (A)	I-4515-91.[45]	

INORGANIC CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
	Titration		4500-NH_3 C-2011		973.48.[3]	
	Nesslerization			D1426-15 (A)		
	Electrode		4500-NH_3 D-2011 or E-2011	D1426-15 (B)		
	Semi-automated phenate	350.1, Rev. 2.0 (1993)	4500-NH_3 G-2011 4500-NH_3 H-2011			
	Manual phenate, salicylate, or other substituted phenols in Berthelot reaction based methods		4500-NH_3 F-2011		See footnote.[60]	
	Automated gas diffusion, followed by conductivity cell analysis				Timberline Ammonia-001.[74]	
	Automated gas diffusion, followed by fluorescence detector analysis				FIAlab 100.[82]	
	Automated Methods for TKN that do not require manual distillation.					
	Automated phenate, salicylate, or other substituted phenols in Berthelot reaction based methods colorimetric (auto digestion and distillation)	351.1 (Rev. 1978)[1]			I-4551-78.[8]	

INORGANIC CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
	Semi-automated block digestor colorimetric (distillation not required)	351.2, Rev. 2.0 (1993)	4500-N_{org} D-2011	D3590-17 (B)	I-4515-91.[45]	
	Block digester, followed by Auto distillation and Titration				See footnote.[39]	
	Block digester, followed by Auto distillation and Nesslerization				See footnote.[40]	
	Block Digester, followed by Flow injection gas diffusion (distillation not required)				See footnote.[41]	
	Digestion with peroxdisulfate, followed by Spectrophotometric (2,6-dimethyl phenol)				Hach 10242.[76]	
	Digestion with persulfate, followed by Colorimetric				NCASI TNTP W10900.[77]	
Nitrate (as N), mg/L	Ion Chromatography	300.0, Rev. 2.1 (1993) and 300.1, Rev. 1.0 (1997)	4110 B-2011 or C-2011	D4327-17	993.30.[3]	
	CIE/UV		4140 B-2011	D6508-15	D6508, Rev. 2.[54]	
	Ion Selective Electrode		4500-NO_3^- D-2016			

INORGANIC CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
	Colorimetric (Brucine sulfate)	352.1 (Issued 1971)[1]			973.50,[3] 419D[1] [7] p. 28.[9]	
	Spectrophotometric (2,6-dimethylphenol)				Hach 10206.[75]	
	Nitrate-nitrite N minus Nitrite N (See parameters 39 and 40)					
39. Nitrate-nitrite (as N), mg/L	Cadmium reduction, Manual		4500-NO_3^- E-2016	D3867-16 (B)		
	Cadmium reduction, Automated	353.2, Rev. 2.0 (1993)	4500-NO_3^- F-2016, 4500-NO3− I-2016	D3867-16 (A)	I-2545-90.[51]	
	Automated hydrazine		4500-NO_3^- H-2016			
	Reduction/Colorimetric				See footnote.[62]	
	Ion Chromatography	300.0, Rev. 2.1 (1993) and 300.1, Rev. 1.0 (1997)	4110 B-2011 or C-2011	D4327-17	993.30.[3]	
	CIE/UV		4140 B-2011	D6508-15	D6508, Rev. 2.[54]	
	Enzymatic reduction, followed by automated colorimetric determination			D7781-14	I-2547-11,[72] I-2548-11,[72] N07-0003.[73]	
	Enzymatic reduction, followed by manual colorimetric determination		4500-NO3− J-2018			

INORGANIC CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
	Spectrophotometric (2,6-dimethylphenol)				Hach 10206.[75]	
40. Nitrite (as N), mg/L	Spectrophotometric: Manual		4500-NO_2^- B-2011		See footnote.[25]	
	Automated (Diazotization)				I-4540-85,[2] See footnote.[62], I-2540-90 [80]	
	Automated (*bypass cadmium reduction)	353.2, Rev. 2.0 (1993)	4500-NO3− F-2016, 4500-NO3− I-2016	D3867-16 (A)	I-4545-85.[2]	
	Manual (*bypass cadmium reduction)		4500-NO_3^- E-2016, 4500-NO3− J-2018	D3867-16 (B)		
	Ion Chromatography	300.0, Rev. 2.1 (1993) and 300.1, Rev. 1.0 (1997)	4110 B-2011 or C-2011	D4327-17	993.30.[3]	
	CIE/UV		4140 B-2011	D6508-15	D6508, Rev. 2.[54]	
	Automated (*bypass Enzymatic reduction)			D7781-14	I-2547-11,[72] I-2548-11,[72] N07-0003.[73]	

INORGANIC CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
Total Nitrogen, mg/L as N (No recommended direct method)	The sum of TKN and Total nitrate-nitrite (all expressed as N)					SM 4500-N C Modified VTDEC, 21st ED; EPA 300.0 plus EPA 351.2 (calc.); TKN + Total nitrate-nitrite
Oil and grease—Total recoverable, mg/L	Hexane extractable material (HEM): n-Hexane extraction and gravimetry	1664 Rev. A; 1664 Rev. B[42]	5520 B-2011[38]			
	Silica gel treated HEM (SGT-HEM): Silica gel treatment and gravimetry	1664 Rev. A; 1664 Rev. B[42]	5520 B-2011[38] and 5520 F-2011[38]			
Organic carbon—Total (TOC), mg/L	Combustion		5310 B-2014	D7573-09 (17)	973.47,[3] p. 14.[24]	
	Heated persulfate or UV persulfate oxidation		5310 C-2014, 5310 D-2011	D4839-03 (17)	973.47,[3] p. 14.[24]	

INORGANIC CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
Phosphorus, Dissolved mg/L (No recommended method)	The dissolved phosphorus test measures that fraction of the total phosphorus which is in solution in the water (as opposed to being attached to suspended particles). It is determined by first filtering the sample, then analyzing the filtered sample for total phosphorus.					
Phosphorus—Total, mg/L	Digestion,[20] followed by any of the following:		4500-P B(5)-2011		973.55.[3]	
	Manual	365.3 (Issued 1978)[1]	4500-P E-2011	D515-88 (A)		
	Automated ascorbic acid reduction	365.1 Rev. 2.0 (1993)	4500-P (F-H)-2011		973.56,[3] I-4600-85.[2]	
	ICP/AES[4 36]	200.7, Rev. 4.4 (1994)	3120 B-2011		I-4471-97.[50]	
	Semi-automated block digestor (TKP digestion)	365.4 (Issued 1974)[1]		D515-88 (B)	I-4610-91.[48]	
	Digestion with persulfate, followed by Colorimetric				NCASI TNTP W10900.[77]	
Residue—non-filterable (TSS), mg/L	Gravimetric, 103-105° post washing of residue		2540 D-2015	D5907-13	I-3765-85.[2]	
Residue—filterable (TDS), mg/L	Gravimetric, 180°		2540 C-2015	D5907-13	I-1750-85.[2]	

INORGANIC CWA METHODS						
Parameter[1]	**Method**	**EPA[2 7]**	**Standard methods**	**ASTM**	**Other**	**LELAP**
Residue—Total, mg/L	Gravimetric, 103-105°		2540 B-2015		I-3750-85.[2]	
Residue—Volatile, mg/L	Gravimetric, 550°	160.4 (Issued 1971)[1]	2540-E-2015		I-3753-85.[2]	
Sulfate (as SO_4), mg/L	Automated colorimetric	375.2, Rev. 2.0 (1993)	4500-SO_4^{2-} F-2011 or G-2011			
	Gravimetric		4500-SO_4^{2-} C-2011 or D-2011		925.54.[3]	
	Turbidimetric		4500-SO_4^{2-} E-2011	D516-16		
	Ion Chromatography	300.0, Rev. 2.1 (1993) and 300.1, Rev. 1.0 (1997)	4110 B-2011 or C-2011	D4327-17	993.30,[3] I-4020-05.[70]	
	CIE/UV		4140 B-2011	D6508-15	D6508, Rev. 2.[54]	